

300 E. Mineral Ave., Suite 10 Littleton, CO 80122-2631 303/781-8211 303/781-1167 Fax

August 31, 2006

Fluid Minerals Group Bureau of Land Management Vernal Field Office 170 South 500 East Vernal, Utah 84078

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.

**RBU 30-18F** 

Surface Location: 897' FSL & 2,023' FWL, Lot 4 (SW/4 SW/4), Target Location: 250' FSL & 2,800' FWL, SE/4 SW/4, Section 18, T10S, R20E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced BLM administered directional 20-acre in-field well. The location of the surface and target location as well as all points along the intended well bore path are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

Don Hamilton

Don Hamilton Agent for Dominion

cc: Diana Whitney, Division of Oil, Gas and Mining Carla Christian, Dominion Ken Secrest, Dominion **RECEIVED** 

AUG 3 1 2006

DIV. OF OIL, GAS & MINING

FILE COPY CONFIDENTIAL

Form 3160-3 (February 2005)			OMB No.	PPROVED 1004-0137 arch 31, 2007			
UNITED STATES DEPARTMENT OF THE II BUREAU OF LAND MANA			5. Lease Serial No. U-013793				
APPLICATION FOR PERMIT TO D			6. If Indian, Allotee or Tribe Name N/A				
la. Type of work: DRILL REENTE	R		7 If Unit or CA Agreement, Name and No. River Bend Unit				
lb. Type of Well: Oil Well Gas Well Other	✓ Single Zone Multip	ole Zone	8. Lease Name and V RBU 30-18F	Vell No.			
2 Name of Operator Dominion Exploration & Production, In	c.  Bb. Phone No. (include area code)			738557			
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134		10. Field and Pool, or E Natural Buttes	-				
4. Location of Well (Report location clearly and in accordance with any	• •		11. Sec., T. R. M. or Bl	k. and Survey or Area			
At surface 897' FSL & 2,023' FWL, Lot 4 (SW/ At proposed prod. zone 250' FSL & 2,800' FWL, SE/4 SW/4			Section 18, T10	0S, R20E, SLB&M			
14. Distance in miles and direction from nearest town or post office*		12. County or Parish	13. State				
10.25 miles southwest of Ouray, Utah	·		Uintah	UT			
15 Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)  897'	<ul><li>16. No. of acres in lease</li><li>1,600.00 acres</li></ul>	17. Spacing 20 acr	g Unit dedicated to this v	vell .			
18. Distance from proposed location*	19. Proposed Depth	20. BLM/E	20. BLM/BIA Bond No. on file				
to nearest well, drilling, completed, applied for, on this lease, ft.	8,6000' TVD (8,856' MD)	WY 3:	WY 3322				
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,106' GR	<ol> <li>Approximate date work will star</li> <li>12/01/2006</li> </ol>	rt*	23. Estimated duration 14 days				
	24. Attachments						
The following, completed in accordance with the requirements of Onshore	e Oil and Gas Order No.1, must be a	ttached to thi	s form:				
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System I</li> </ol>	ltem 20 above).  Lands, the 5. Operator certific	cation	·	existing bond on file (see			
SUPO must be filed with the appropriate Forest Service Office).	6. Such other site BLM.	specific into	ormation and/or plans as	may be required by the			
25. Signature Don Hamilton	Name (Printed/Typed)  Don Hamilton			Date 08/31/2006			
Title  Agent for Dominion							
Approved by (Signature)	Name (Printed/Typed)			Date 09-75-00			
Title	OF ENVIRONMENTAL	3. HIL MANAGI	t. Er	<u> </u>			
Application approval does not warrant or certify that the applicant holds conduct operations thereon.  Conditions of approval, if any, are attached.	s legal or equitable title to those righ	nts in the sub	ject lease which would e	ntitle the applicant to			
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cri States any false, fictitious or fraudulent statements or representations as to		willfully to n	nake to any department o	or agency of the United			

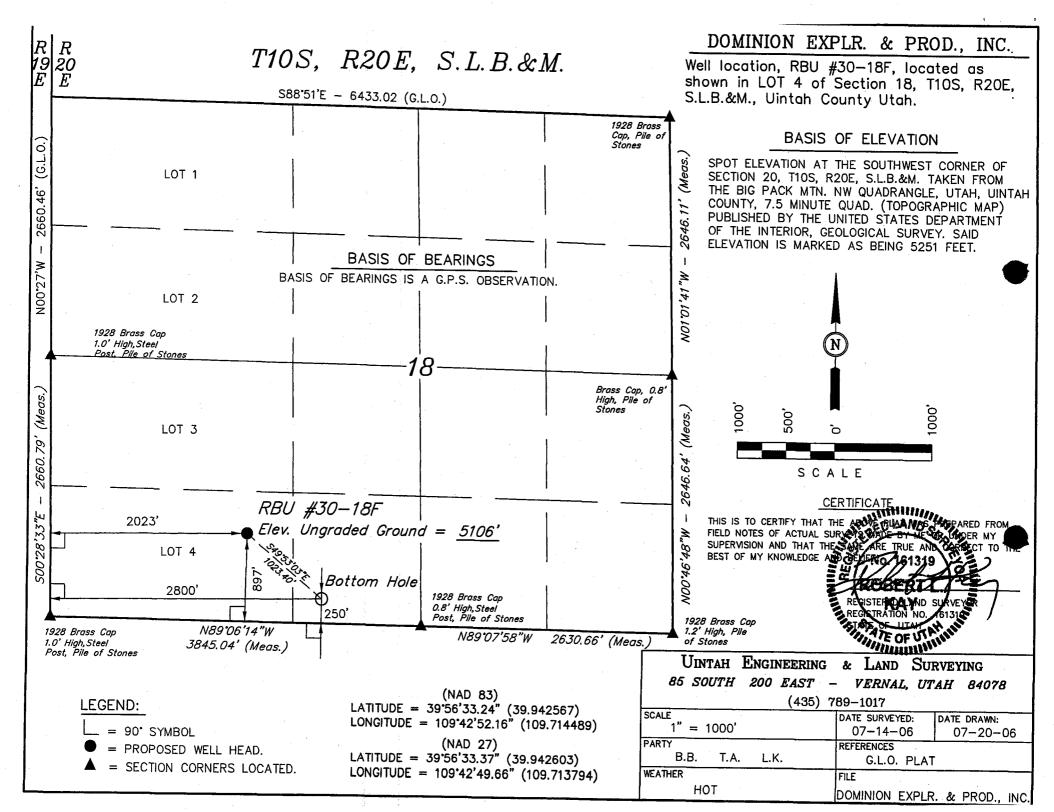
\*(Instructions on page 2)

Federal Approval of this CONFIDENTIAL Action is Necessary

**RECEIVED** AUG 3 1 2006

DIV. OF OIL, GAS & MINING

Surf 609888X 44219647 39.942543 -109.713775 BHL 610130X 4421767Y 39.940755 -109.710978



# APPROVAL OF OPERATIONS

#### **Attachment for Permit to Drill**

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

**RBU 30-18F** 

SHL: 897' FSL & 2023' FWL Section 18-10S-20E

BHL: 250' FSL & 2800' FWL Section 18-10S-20E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

# 2. <u>ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS</u>

Formation	<u>Depth</u>
Wasatch Tongue	4,115'
Uteland Limestone	4,475'
Wasatch	4,635°
Chapita Wells	5,525
Uteland Buttes	6,755
Mesaverde	7,645

# 3. ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	Type	
Wasatch Tongue	4,115'	Oil	
Uteland Limestone	4,475'	Oil	
Wasatch	4,635'	Gas	
Chapita Wells	5,525'	Gas	
Uteland Buttes	6,755'	Gas	
Mesaverde	7,645'	Gas	

## 4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	Weight	<u>Grade</u>	Conn.	Top	Bottom	<u>Hole</u>
Surface Intermediate Production	13-3/8" 9-5/8" 5-1/2"	48.0 ppf 36.0 ppf 17.0 ppf	H-40 J-55 MAV-80	STC STC LTC	0' 0'	500' 3,450' 8,600'	17-½" 12-1/4" 7-7/8"

# 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

## APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<b>Depths</b>	Mud Weight (ppg)	Mud System
0'-500'	8.4	Air foam mist, no pressure control
500' - 3,450'	8.6	Fresh water, rotating head and diverter
3,450' - 8,600	8.6	Fresh water/2% KCL/KCL mud system

#### BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

# 9. TESTING. LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

# 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

#### WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

#### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

- a. Surface Cement:
  - Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- b. Intermediate Casing Cement:
  - Drill 12-1/4" hole to 3,450'±, run and cement 9-5/8" to surface.
  - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
  - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
  - Cement to surface not required due to surface casing set deeper than normal.

					<u>Hole</u>	<u>Cement</u>
<u>Type</u>	Sacks	Interval	<b>Density</b>	Yield Yield	<u>Volume</u>	<u>Volume</u>
Lead	407	0'-2,950'	10.5 ppg	4.14 CFS	962 CF	1,683 CF
Tail	254	2,950'-3,450'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield:

4.14 cf/sack

Slurry weight: 10.5 #/gal.

Water requirement: 26.07 gal/sack

Compressives @ 110°F: 72 psi after 24 hours

Tail Mix:

Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry yield: Pump Time:

1.20 cf/sack 1 hr. 5 min. @ 110 °F. Slurry weight: 15.6 #/gal.

Compressives @, 110 °F: 2,500 psi after 24 hours

- c. Production Casing Cement:
  - Drill 7-7/8" hole to 8,600'±, run and cement 5 1/2".
  - Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
  - Displace with 2% KCL.
  - Production casing to be centralized with 30 centralizers.

					<u>Hole</u>	<u>Cement</u>
Type	Sacks	<u>Interval</u>	<b>Density</b>	Yield Yield	<u>Volume</u>	<u>Volume</u>
Lead	90	3,835'-4,635'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	790	4.635'-8.600'	13.0 ppg	1.75 CFS	687 CF	1374 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch + 15%.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry vield:

3.12 cf/sack

Slurry weight:

11.60 #/gal.

Water requirement:

17.71 gal/sack

Compressives (a), 130°F: 157 psi after 24 hours

Tail Mix:

Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry vield:

1.75 cf/sack

Slurry weight:

13.00 #/gal.

Water requirement:

9.09 gal/sack

Compressives @ 165°F: 905 psi after 24 hours

# 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date:

December 1, 2006

Duration:

14 Days

#### **Dominion Exploration & Production** Azimuths to True North Magnetic North: 11.76° Field: Uintah County, Utah Dominion Magnetic Field Strength: 52803nT Dip Angle: 65.90° Date: 8/23/2006 Model: igrf2005 Site: RBU 30-18F Well: RBU 30-18F Wellpath: Original Hole Plan: Plan #1 0-FIFI D DETAILS Uintah County, Utah Utah - Natural Buttes 0° 540 MD Start Build 3.00 USA Geodetic System: US State Plane Coordinate System 1983 Ellipsoid: GRS 1980 Zone: Utah, Central Zone Magnetic Model: igrt2005 1100-System Datum: Mean Sea Level Local North: True North West(-)/East(+) [500ft/in] 0 200 400 600 800 1000 39° 1825 MD Start Hold 416 SITE DETAILS 0-607 39° 2131 MD Start Drop -3.00 South(-)/North(+) [500fl/in] RBU 30-18F Sec 18 10S, 20 E Ulntah County, Utah 2200 -200 Site Centre Latitude: 39°56'33.240N Longitude: 109°42'52.160W -400 Ground Level: 5106.00 Positional Uncertainty: 0.00 Convergence: 1.14 **PBHL** 0° 3416 MD Start Hold 1023 -600 Vertical Point 3300 Vertical Point Intermediate -800 WELLPATH DETAILS True Vertical Depth [1100ft/in] Original Hole Wasatch Tongue Rig: Ref. Datum: Est RKB 5125.00R Uteland Limestone 4400-Starting From TVD V.Section Origin Origin +N/-S Angle 130.12° 0.00 0.00 8600.00 Wasatch WELL DETAILS Chapita Wells +N/-S +E/-W Northing Easting Latitude Longitude Slot 5500 RBU 30-18F 0.00 0.00 7152814.41 2140990.94 39°56'33.240N 109°42'52.160W N/A FORMATION TOP DETAILS TARGET DETAILS **Uteland Buttes** 6600-**TVDPath MDPath** Formation No. Name TVD +N/-S +F/-W Shape 4115.00 4475.00 4635.00 5525.00 6755.00 7645.00 4371.35 4731.35 4891.35 5781.35 7011.35 7901.35 Wasatch Tongue Uteland Limestone Wasatch 123456 3160.00 782.64 782.64 -659.41 -659.41 Vertical Point Point Point 8600.00 Chapita Wells Uteland Buttes Mesaverde Mesaverde 7700-SECTION DETAILS +E/-W DLeg TFace VSec Target Sec MD Inc Azi TVD 130.12 130.12 130.12 130.12 130.12 130.12 0.00 540.00 1730.52 1969.52 3160.00 8600.00 0.00 0.00 -268.33 -391.09 -659.41 -659.41 0.00 0.00 318.48 464.17 782.64 782.64 0.00 0.00 3.00 0.00 3.00 0.00 0.00 0.00 130.12 0.00 0.00 0.00 416.45 606.97 1023.40 1023.40 0.00 540.00 1825.38 2131.02 3416.35 0.00 0.00 38.56 38.56 0.00 0.00 123456 1023 180.00 130.12 Vertical Point PBHL **PBHL** 8800 1100 Ó 2200 Vertical Section at 130.12° [1100ft/in] Ryan Energy Technologies 19510 Oil Center Blvd Houston, TX 77073 Ph: 281-443-1414 Fx: 281-443-1676 Ryan The leader in UNIONAGE UNION MATELLE



# Ryan Energy Technologied **Planning Report**



**Dominion Exploration & Product** Company:

Field: Site:

Uintah County, Utah **RBU 30-18F** 

**RBU 30-18F** Well: Wellpath: Original Hole Date: 8/24/2006

Time: 09:30:56

Vertical (TVD) Reference:

Co-ordinate(NE) Reference: Well: RBU 30-18F, True North Est RKB 5125.0

Section (VS) Reference:

Well (0.00N,0.00E,130.12Azi)

Plan:

Plan #1

Field:

Uintah County, Utah Utah - Natural Buttes

USA

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Utah, Central Zone Well Centre

Coordinate System: Geomagnetic Model:

igrf2005

**RBU 30-18F** 

Sec 18 10S, 20 E Uintah County, Utah

Site Position From:

**Ground Level:** 

Geographic

0.00 ft 5106.00 ft

7152814.41 ft Northing: 2140990.94 ft Easting:

Latitude: Longitude:

39 56

33.240 N 42 52.160 W

North Reference: **Grid Convergence:**  True 1.14 deg

0.00 ft

Well:

**RBU 30-18F** 

**Well Position:** +N/-S+E/-W

0.00 ft 0.00 ft 0.00 ft

7152814.41 ft Northing: Easting: 2140990.94 ft

Latitude: Longitude:

ft

0.00

Slot Name:

56 33.240 N 39 109 42 52.160 W

Surface

**Position Uncertainty:** 

**Current Datum:** 

Magnetic Data:

Field Strength:

**Vertical Section:** 

**Position Uncertainty:** 

Wellpath: Original Hole

8600.00

8/23/2006

Depth From (TVD)

Height 5125.00 ft 52803 nT

+N/-S ft 0.00

**Drilled From:** Tie-on Depth:

**Above System Datum:** Declination: Mag Dip Angle: +E/-W

Mean Sea Level 11.76 deg 65.90 deg Direction

deg 130.12

Plan:

Plan #1

Principal: Yes **Date Composed:** 

Version: Tied-to:

8/23/2006 From Surface

**Plan Section Information** 

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target	
0.00	0.00	130.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
540.00	0.00	130.12	540.00	0.00	0.00	0.00	0.00	0.00	0.00		
1825.38	38.56	130.12	1730.52	-268.33	318.48	3.00	3.00	0.00	130.12		
2131.02	38.56	130.12	1969.52	-391.09	464.17	0.00	0.00	0.00	0.00		
3416.35	0.00	130.12	3160.00	-659.41	782.64	3.00	-3.00	0.00	180.00	Vertical Point	
8856.35	0.00	130.12	8600.00	-659.41	782.64	0.00	0.00	0.00	130.12	PBHL	

Survey

MED ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
540.00	0.00	130.12	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	130.12	599.99	-0.61	0.72	0.94	3.00	3.00	0.00	
700.00	4.80	130.12	699.81	-4.32	5.12	6.70	3.00	3.00	0.00	
800.00	7.80	130.12	799.20	-11.39	13.51	17.67	3.00	3.00	0.00	
900.00	10.80	130.12	897.87	-21.80	25.87	33.83	3.00	3.00	0.00	
1000.00	13.80	130.12	995.57	-35.52	42.16	55.13	3.00	3.00	0.00	
1100.00	16.80	130.12	1092.01	-52.52	62.34	81.51	3.00	3.00	0.00	
1200.00	19.80	130.12	1186.94	-72.75	86.34	112.91	3.00	3.00	0.00	
1300.00	22.80	130.12	1280.10	-96.15	114.12	149.23	3.00	3.00	0.00	
1400.00	25.80	130.12	1371.23	-122.66	145.59	190.37	3.00	3.00	0.00	
1500.00	28.80	130.12	1460.08	-152.21	180.66	236.23	3.00	3.00	0.00	
1600.00	31.80	130.12	1546.41	-184.71	219.23	286.67	3.00	3.00	0.00	
1700.00	34.80	130.12	1629.99	-220.08	261.21	341.57	3.00	3.00	0.00	
1800.00	37.80	130.12	1710.57	-258.22		400.76	3.00	3.00	0.00	
1825.38	38.56	130.12	1730.52	-268.33		416.45	3.00	3.00	0.00	



# Ryan Energy Technologied **Planning Report**



Company: Dominion Exploration & Product

Uintah County, Utah RBU 30-18F Field:

**RBU 30-18F** Well: Wellpath: Original Hole

Date: 8/24/2006 Time: 09:30:56 Co-ordinate(NE) Reference: Well: RBU 30-18F, True North

Vertical (TVD) Reference: Est RKB 5125.0

Section (VS) Reference:

Well (0.00N,0.00E,130.12Azi) Plan #1

Survey									-	m 1/G 4
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
						462.96	0.00	0.00	0.00	
1900.00	38.56	130.12	1788.87	-298.30	354.05		,	0.00	0.00	
2000.00	38.56	130.12	1867.07	-338.47	401.72	525.30	0.00			
2100.00	38.56	130.12	1945.26	-378.63	449.39	587.63	0.00	0.00	0.00	
2131.02	38.56	130.12	1969.52	-391.09	464.17	606.97	0.00	0.00	0.00	
2200.00	36.49	130.12	2024.22	-418.16	496.30	648.98	3.00	-3.00	0.00	
0200.00	22.40	120 12	2106.14	-455.10	540.15	706.32	3.00	-3.00	0.00	
2300.00	33.49	130.12								•
2400.00	30.49	130.12	2190.94	-489.24	580.66	759.29	3.00	-3.00	0.00	
2500.00	27.49	130.12	2278.40	-520.46	617.72	807.75	3.00	-3.00	0.00	
2600.00	24.49	130.12	2368.28	-548.69	651.23	851.57	3.00	-3.00	0.00	
2700.00	21.49	130.12	2460.33	-573.86	681.10	890.62	3.00	-3.00	0.00	
2800.00	18.49	130.12	2554.29	-595.88	707.24	924.80	3.00	-3.00	0.00	
2900.00	15.49	130.12	2649.91	-614.71	729.58	954.02	3.00	-3.00	0.00	
3000.00	12.49	130.12	2746.94	-630.28	748.07	978.20	3.00	-3.00	0.00	
3100.00	9.49	130.12	2845.09	-642.57	762.65	997.26	3.00	-3.00	0.00	
3200.00	6.49	130.12	2944.11	-651.52	773.28	1011.16	3.00	-3.00	0.00	
3300.00	3.49	130.12	3043,72	-657.13	779.93	1019.86	3.00	-3.00	0.00	
3400.00	0.49	130.12	3143.65	-659.36	782.59	1023.33	3.00	-3.00	0.00	
		130.12	3160.00	-659.41	782.64	1023.40	3.00	-3.00	0.00	Vertical Point
3416.35	0.00									Vertical Foliat
3500.00	0.00	130.12	3243.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
3600.00	0.00	130.12	3343.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
3700.00	0.00	130.12	3443.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
3706.35	0.00	130.12	3450.00	-659.41	782.64	1023.40	0.00	0.00	0.00	Intermediate
3800.00	0.00	130.12	3543.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
							0.00	0.00	0.00	
3900.00	0.00	130.12	3643.65	-659.41	782.64	1023.40				
4000.00	0.00	130.12	3743.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
4100.00	0.00	130.12	3843.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
4200.00	0.00	130.12	3943.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
4300.00	0.00	130.12	4043.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
4371.35	0.00	130.12	4115.00	-659.41	782.64	1023.40	0.00	0.00	0.00	Wasatch Tongue
4400.00	0.00	130.12	4143.65	-659.41	782.64	1023.40	0.00	0.00	0.00	Tracaton Tongas
.=		400.40	4040.05	050.44	700.04	4000 40	0.00	0.00	0.00	
4500.00	0.00	130.12	4243.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
4600.00	0.00	130.12	4343.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
4700.00	0.00	130.12	4443.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
4731.35	0.00	130.12	4475.00	-659.41	782.64	1023.40	0.00	0.00	0.00	Uteland Limestone
4800.00	0.00	130.12	4543.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
4891.35	0.00	130.12	4635.00	-659.41	782.64	1023.40	0.00	0.00	0.00	Wasatch
4900.00	0.00	130.12	4643.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
								0.00		
5000.00	0.00	130.12	4743.65	-659.41	782.64	1023.40	0.00		0.00	
5100.00	0.00	130.12	4843.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
5200.00	0.00	130.12	4943.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
5300.00	0.00	130.12	5043.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
5400.00	0.00	130.12	5143.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
5500.00	0.00	130.12	5243.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
								0.00	0.00	
5600.00	0.00	130.12	5343.65	-659.41	782.64	1023.40	0.00	0.00		
5700.00	0.00	130.12	5443.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
5781.35	0.00	130.12	5525.00	-659.41	782.64	1023.40	0.00	0.00	0.00	Chapita Wells
5800.00	0.00	130.12	5543.65	-659.41	782.64	1023.40	0.00	0.00	0.00	•
5900.00	0.00	130.12	5643.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
								0.00		
6000.00 6100.00	0.00 0.00	130.12 130.12	5743.65 5843.65	-659.41 -659.41	782.64 782.64	1023.40 1023.40	0.00 0.00	0.00	0.00 0.00	
0100.00	0.00	130.12	JO43.00	~003.41	102.04	1023.40	0.00	0.00	0.00	
6200.00	0.00	130.12	5943.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
6300.00	0.00	130.12	6043.65	-659.41	782.64	1023.40	0.00	0.00	0.00	*
6400.00	0.00	130.12	6143.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
6500.00	0.00	130.12	6243.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
		100.12	UE-TU.UU	-UUJ.TI	104.07	1020.70	5.00	J.00	5.00	



# Ryan Energy Technologied **Planning Report**



Company: Dominion Exploration & Product

Uintah County, Utah RBU 30-18F Field: Site:

**RBU 30-18F** Well: Wellpath: Original Hole

Date: 8/24/2006 Time: 09:30:56 Co-ordinate(NE) Reference: Well: RBU 30-18F, True North

Est RKB 5125.0 Vertical (TVD) Reference:

Section (VS) Reference: Plan:

Well (0.00N,0.00E,130.12Azi)

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
6600.00	0.00	130.12	6343.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
6700.00	0.00	130.12	6443.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
6800.00	0.00	130.12	6543.65	-659.41	782.6 <del>4</del>	1023.40	0.00	0.00	0.00	
6900.00	0.00	130.12	6643.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7000.00	0.00	130.12	6743.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7011.35	0.00	130.12	6755.00	-659.41	782.64	1023.40	0.00	0.00	0.00	Uteland Buttes
7100.00	0.00	130.12	6843.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7200.00	0.00	130.12	6943.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7300.00	0.00	130.12	7043.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7400.00	0.00	130.12	7143.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7500.00	0.00	130.12	7243.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7600.00	0.00	130.12	7343.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7700.00	0.00	130.12	7443.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7800.00	0.00	130.12	7543.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7900.00	0.00	130.12	7643.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
7901.35	0.00	130.12	7645.00	-659.41	782.64	1023.40	0.00	0.00	0.00	Mesaverde
8000.00	0.00	130.12	7743.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
8100.00	0.00	130.12	7843.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
8200.00	0.00	130.12	7943.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
8300.00	0.00	130.12	8043.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
8400.00	0.00	130.12	8143.65	-659.41	782.64	1023.40	0.00	0.00	0.00	•
8500.00	0.00	130.12	8243.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
8600.00	0.00	130.12	,8343.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
8700.00	0.00	130.12	8443.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
8800.00	0.00	130.12	8543.65	-659.41	782.64	1023.40	0.00	0.00	0.00	
8856.35	0.00	130.12	8600.00	-659.41	782.64	1023.40	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W	Map Northing ft	Map Easting ft	< Latitude> Deg Min Sec	< Longitude> Deg Min Sec
Vertical Point			3160.00	-659.41	782.64	7152170.762	141786.59	39 56 26.723 N	109 42 42.111 W
-Plan hit target PBHL -Plan hit target			8600.00	-659.41	782.64	7152170.762	2141786.59	39 56 26.723 N	109 42 42.111 W

#### **Casing Points**

MD ft	TVD ft	Diameter in	Hole Size in	Name				
3706.35	3450.00	9.625	9.625	Intermediate				

## Formations

M		Formations	Lithology	Dip Angle deg	Dip Direction deg
4371.	35 4115.00	Wasatch Tongue		0.00	0.00
4731.		Uteland Limestone		0.00	0.00
4891		Wasatch		0.00	0.00
5781		Chapita Wells		0.00	0.00
7011		Uteland Buttes		0.00	0.00
7901		Mesaverde		0.00	0.00

# **SURFACE USE PLAN**

# CONDITIONS OF APPROVAL

Attachment for Permit to Drill

Name of Operator:

**Dominion Exploration & Production** 

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

RBU 30-18F

SHL: 897' FSL & 2023' FWL Section 18-10S-20E

BHL: 250' FSL & 2800' FWL Section 18-10S-20E

Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The BLM onsite inspection for the referenced well was conducted on Thursday, August 10, 2006 at approximately 10:25 am. In attendance at the onsite inspection were the following individuals:

Karl Wright

rigiii

Brandon McDonald

Ken Secrest Brandon Bowthorpe

Billy McClure

Randy Jackson Don Hamilton Nat. Res. Prot. Spec.

Wildlife Biologist

Field Foreman

Surveyor Foreman

Foreman

Agent

Bureau of Land Management - Vernal

Bureau of Land Management - Vernal

Dominion E & P, Inc.

Uintah Engineering & Land Surveying

LaRose Construction Jackson Construction Buys & Associates, Inc.

#### 1. Existing Roads:

- a. No upgrades to existing roads and no new roads are proposed at this time since access will utilize the existing road to the existing well site.
- b. The proposed well site is located approximately 10.25 miles south of Ouray, UT.
- c. Directions to the proposed well site have been attached at the end of Exhibit B.
- d. The use of roads under State and County Road Department maintenance are necessary to access the River Bend Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- e. All existing roads will be maintained and kept in good repair during all phases of operation.
- e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- f. Since no improvements are anticipated to any State, County, Tribal or BLM access roads no topsoil striping will occur.
- g. An off-lease federal right-of-way is not anticipated for the access road or utility corridor since both are located within the existing River Bend Unit boundary and both utilize entirely existing disturbance.

#### 2. Planned Access Roads:

- a. The proposed well utilizes the existing wellsite RBU 13-18F with no new access proposed.
- b. The operator will be responsible for all maintenance of the existing access road including drainage structures.

#### 3. Location of Existing Wells:

a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

## 4. <u>Location of Production Facilities</u>:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown or Carlsbad Canyon to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- f. No new pipeline corridors are proposed at this time since gas transportation will utilize the existing pipeline network to the existing well site.
- g. The existing pipeline will be upgrade to 10" or less, as needed, from the proposed well to the existing Compressor #4 to provide additional production transportation capacity from the proposed 20 acre in-field wells.
- h. The upgraded gas pipeline will be a 10" or less steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction.
- Dominion intends on installing the upgraded pipeline on the surface by welding many joints

into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

# Location and Type of Water Supply:

a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

#### 6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from Ute Tribal or BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

#### 7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the northwest side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.
- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.
- k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.
- 1. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

#### 8. Ancillary Facilities:

a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

# 9. Well Site Layout: (See Exhibit B)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the northeast.
- c. The pad and road designs are consistent with BLM specification
- d. A pre-construction meeting with responsible company representative, contractors and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.
- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters form entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

- k. Pits will remain fenced until site cleanup.
- 1. The blooie line will be located at least 100 feet from the well head.
- m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

## 10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
  - a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
  - b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:

1. Crested Wheat Grass

(4 lbs / acre)

2. Needle and Thread Grass

(4 lbs / acre)

3. Rice Grass

(4 lbs / acre)

- c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

# 11. Surface and Mineral Ownership:

- a. Surface Ownership Federal under the management of the Bureau of Land Management Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.
- b. Mineral Ownership Federal under the management of the Bureau of Land Management Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

#### 12. Other Information:

- a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- c. Our understanding of the results of the onsite inspection are:
  - a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
  - No drainage crossings that require additional State or Federal approval are being crossed.
  - c. A pipeline upgrade is proposed with this application.

# 13. Operator's Representative and Certification

Title	Name	Office Phone
Company Representative (Roosevelt)	Ken Secrest	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

#### Certification:

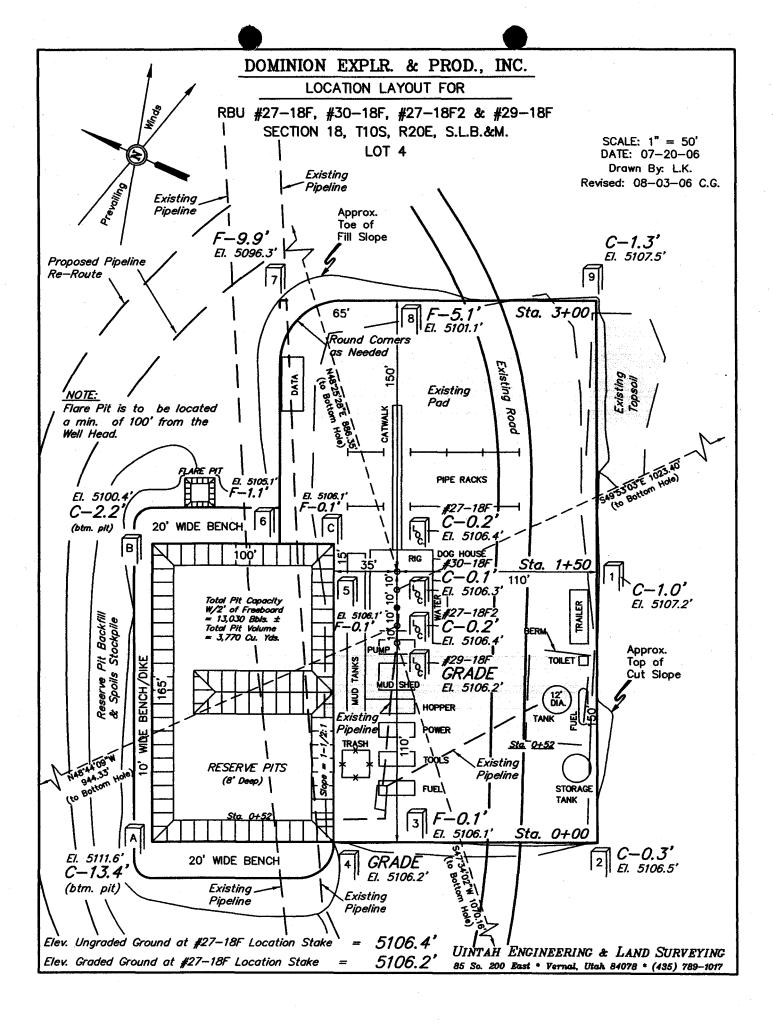
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

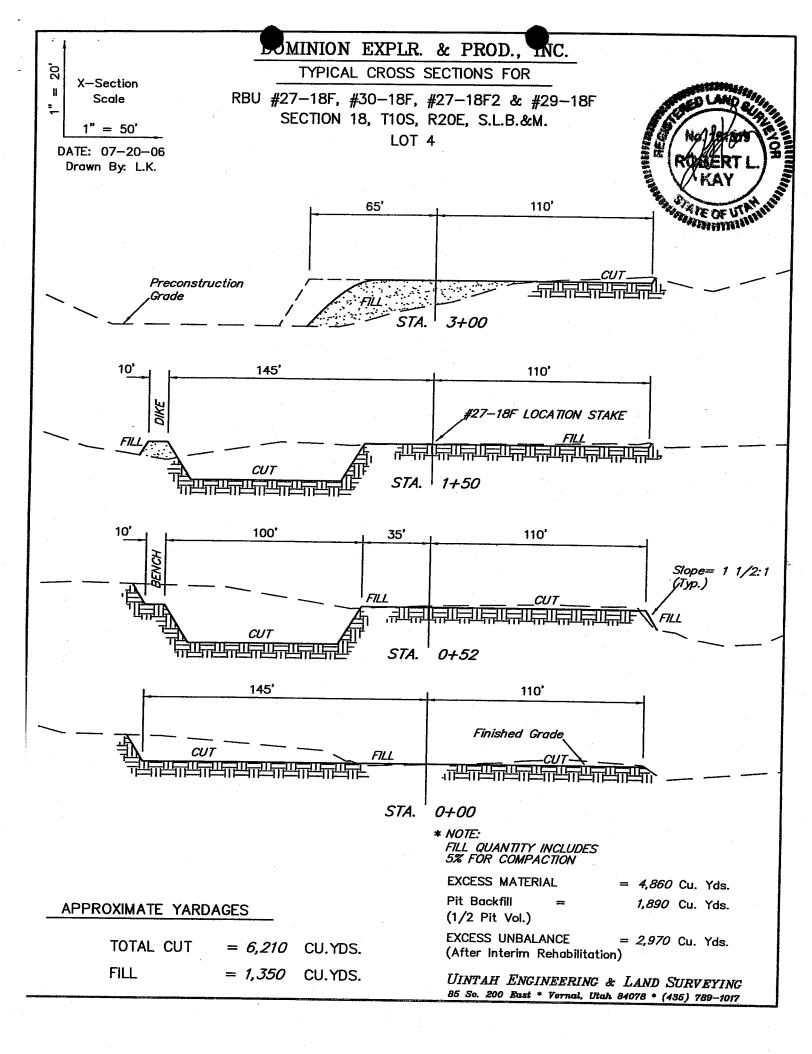
Signature:	Don	Hamilton	Date:	8-31-2006
			<del></del>	

# DOMINION EXPLR. & PROD., INC. RBU #27-18F, #30-18F, #27-18F2 & #29-18F SECTION 18, T10S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN WESTERLY, THEN SOUTHWESTERLY DIRECTION Α APPROXIMATELY 0.3 MILES TO THE EXISTING #13-18F AND THE PROPOSED LOCATION.

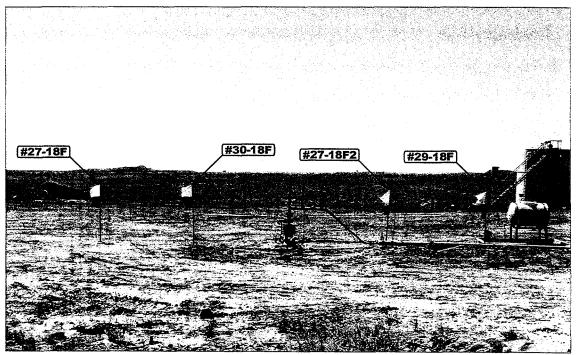
TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.1 MILES.





# DOMINION EXPLR. & PROD., INC.

RBU #27-18F, #30-18F, #27-18F2 & #29-18F LOCATED IN UINTAH COUNTY, UTAH **SECTION 18, T10S, R20E, S.L.B.&M.** 



IERA ANGLE: SOUTHEASTERLY

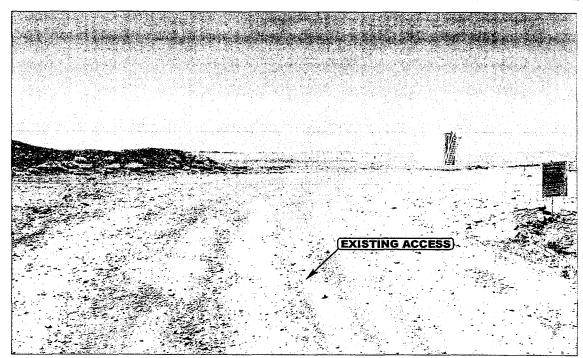


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHWESTERLY

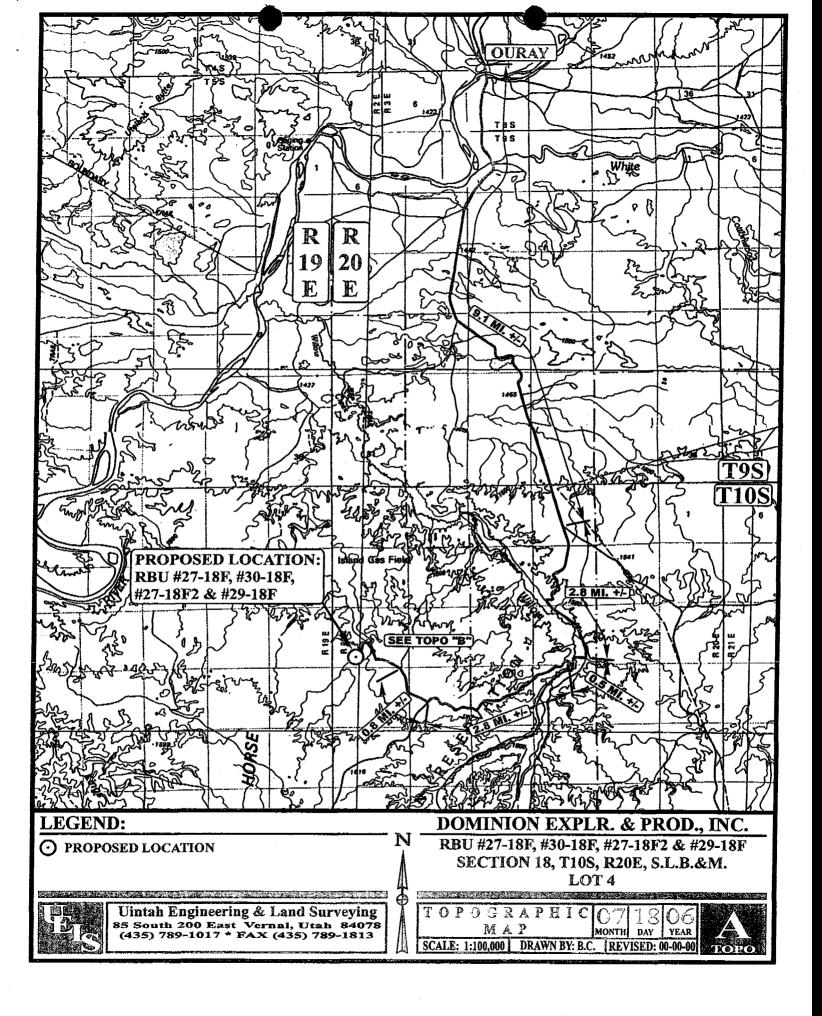


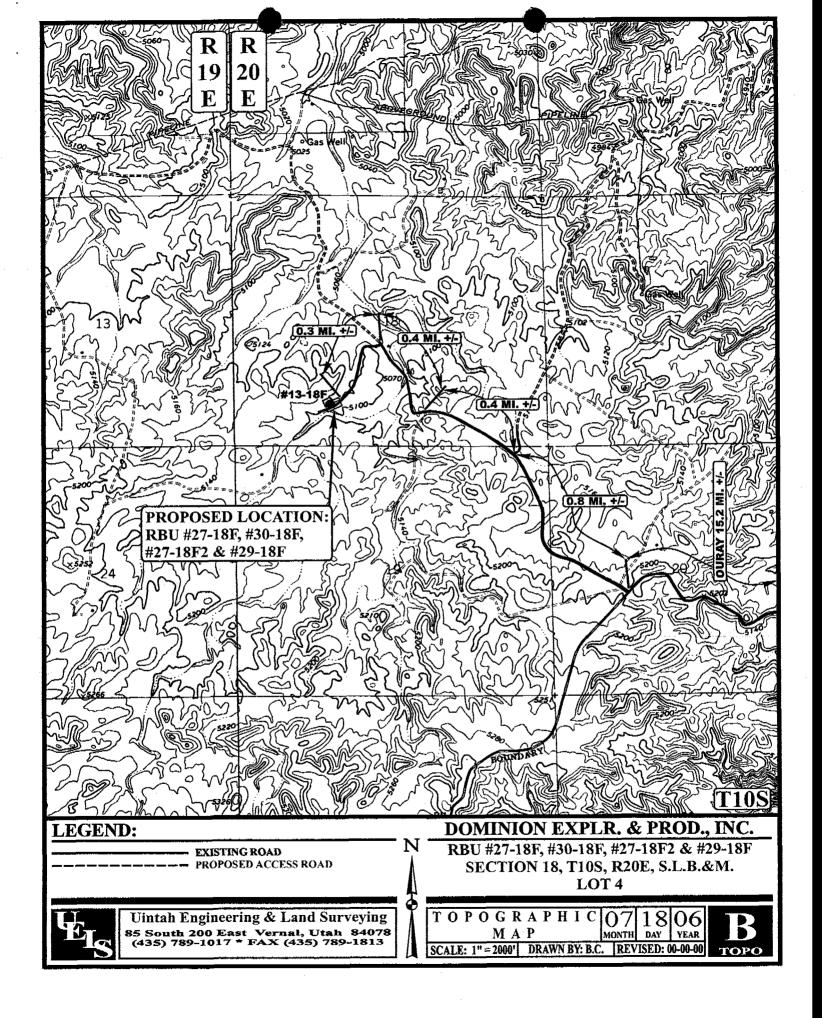
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 vels@uelsinc.com

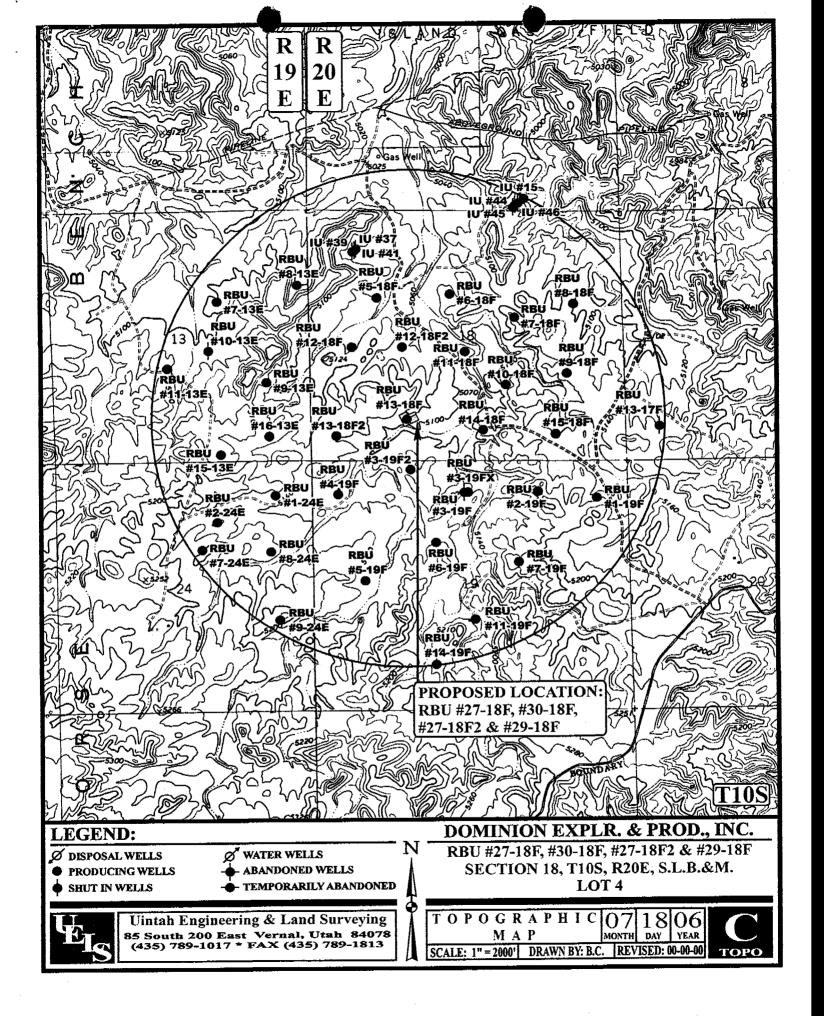
**LOCATION PHOTOS** 

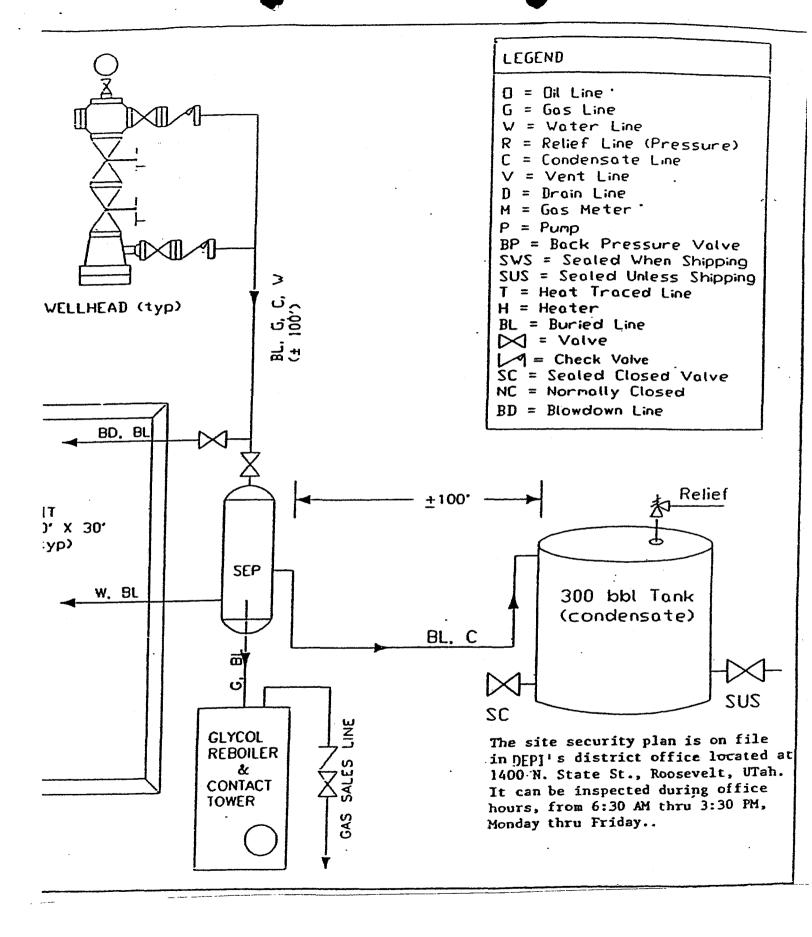
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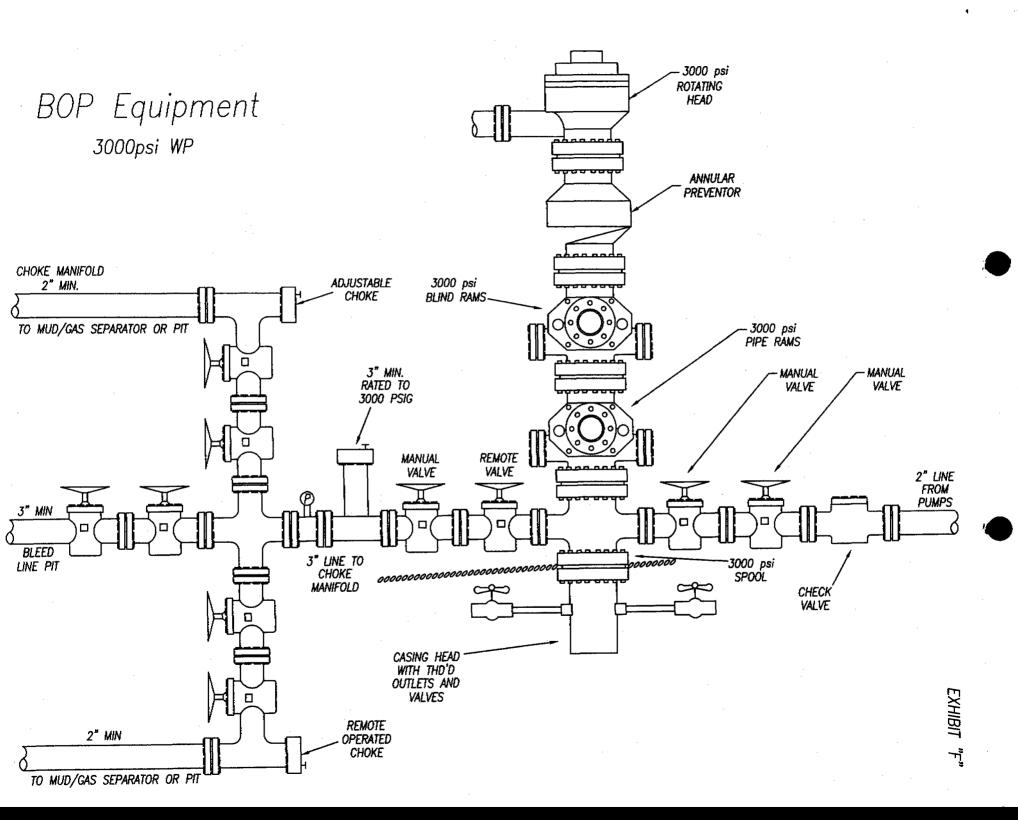
**РНОТО** 



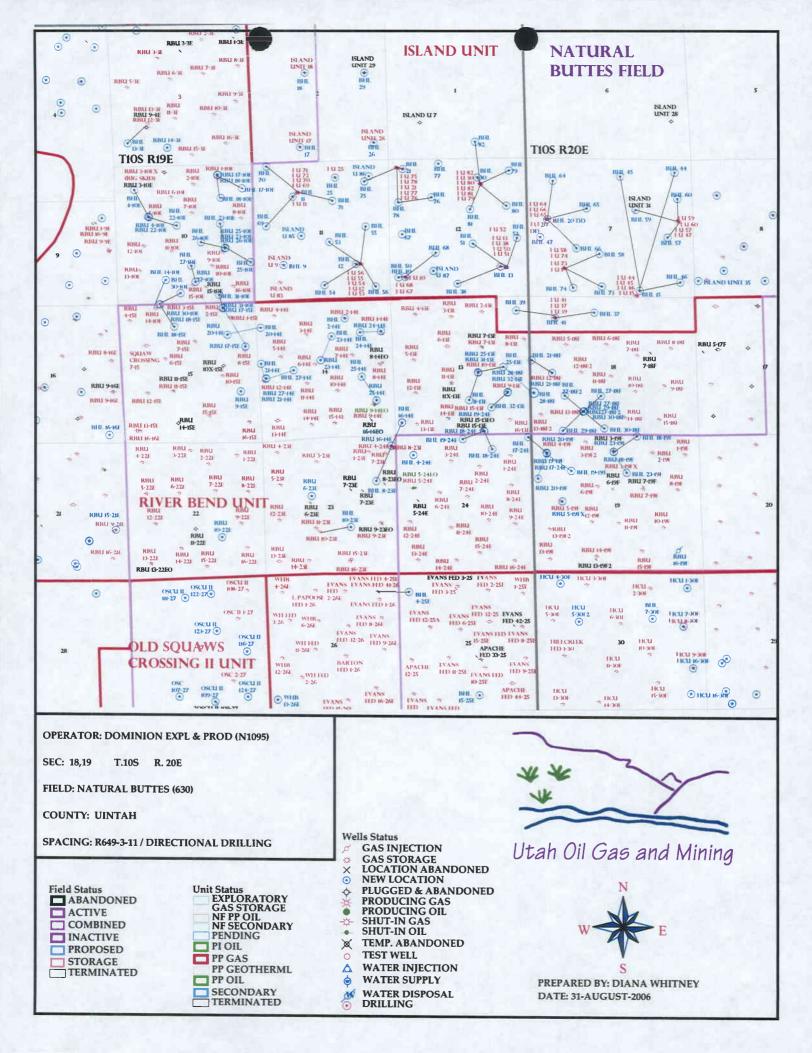








APD RECEIVED: 08/31/2006	API NO. ASSIGNED: 43-047-38557
WELL NAME: RBU 30-18F	
OPERATOR: DOMINION EXPL & PROD ( N1095 )	PHONE NUMBER: 405-749-5263
CONTACT: DON HAMILTON	
PROPOSED LOCATION:	INSPECT LOCATN BY: / /
SWSW 18 100S 200E SURFACE: 0897 FSL 2023 FWL	Tech Review Initials Date
BOTTOM: 0250 FSL 2800 FWL	Engineering
COUNTY: UINTAH  LATITUDE: 39.94256 LONGITUDE: -109.7138	Geology
UTM SURF EASTINGS: 609888 NORTHINGS: 4421964	Surface
LEASE TYPE: 1 - Federal  LEASE NUMBER: U-013793  SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: MVRD COALBED METHANE WELL? NO
Plat	ATION AND SITING:  R649-2-3.  t: RIVER BEND  R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells  R649-3-3. Exception  Drilling Unit Board Cause No: 259-01 Eff Date: 8-18-04 Siting: Que 6k-not 5 R649-3-1(  R649-3-11. Directional Drill
STIPULATIONS: 1- COMMENTS: 1- C	



# **United States Department of the Interior**

# BUREAU OF LAND MANAGEMENT Utah State Office

P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

September 19, 2006

## Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2006 Plan of Development River Bend Unit Uintah County.

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the River Bend Unit, Uintah County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ MesaVerde)

43-047-38582 RBU 17-10E Sec 10 T10S R19E 0477 FNL 1390 FEL BHL Sec 10 T10S R19E 1000 FNL 0465 FEL

43-047-38584 RBU 27-10E Sec 10 T10S R19E 0723 FSL 2350 FEL BHL Sec 10 T10S R19E 1350 FSL 2500 FEL

43-047-38585 RBU 26-10E Sec 10 T10S R19E 1995 FSL 1184 FEL BHL Sec 10 T10S R19E 2250 FSL 2100 FEL

43-047-38586 RBU 25-10E Sec 10 T10S R19E 2013 FSL 1160 FEL BHL Sec 10 T10S R19E 1450 FSL 0200 FEL

43-047-38587 RBU 23-10E Sec 10 T10S R19E 2007 FSL 1168 FEL BHL Sec 10 T10S R19E 2350 FNL 1350 FEL

43-047-38588 RBU 22-10E Sec 10 T10S R19E 2064 FNL 1241 FWL BHL Sec 10 T10S R19E 2400 FNL 2300 FWL

43-047-38543 RBU 28-18F Sec 13 T10S R19E 1640 FSL 0901 FEL BHL Sec 18 T20S R20E 1600 FSL 0100 FWL

43-047-38544 RBU 18-24E Sec 13 T10S R19E 0143 FSL 1844 FEL

#### BHL Sec 24 T10S R19E 0550 FNL 1550 FEL

Page 2

- 43-047-38545 RBU 19-24E Sec 13 T10S R19E 0159 FSL 1855 FEL BHL Sec 24 T10S R19E 0150 FNL 2550 FWL
- 43-047-38546 RBU 25-13E Sec 13 T10S R19E 2418 FSL 2023 FEL BHL Sec 13 T10S R19E 2700 FNL 1050 FEL
- 43-047-38547 RBU 31-13E Sec 13 T10S R19E 2433 FSL 2036 FEL BHL Sec 13 T10S R19E 1350 FSL 2400 FEL
- 43-047-38589 RBU 21-14E Sec 14 T10S R19E 2240 FSL 0210 FWL BHL Sec 14 T10S R19E 2500 FNL 0050 FWL
- 43-047-38590 RBU 27-14E Sec 14 T10S R19E 2230 FSL 0209 FWL BHL Sec 14 T10S R19E 2550 FSL 1300 FWI
- 43-047-38592 RBU 24-14E Sec 14 T10S R19E 1257 FNL 0432 FEL BHL Sec 14 T10S R19E 1300 FNL 1250 FEL
- 43-047-38593 RBU 23-14E Sec 14 T10S R19E 2375 FNL 2360 FWL BHL Sec 14 T10S R19E 1450 FNL 2350 FEL
- 43-047-38595 RBU 31-10E Sec 15 T10S R19E 0305 FNL 1324 FEL BHL Sec 10 T10S R19E 0200 FSL 1450 FEL
- 43-047-38596 RBU 17-15E Sec 15 T10S R19E 0320 FNL 1324 FEL BHL Sec 15 T10S R19E 1350 FNL 1200 FEL
- 43-047-38597 RBU 18-15E Sec 15 T10S R19E 0125 FNL 1570 FWL BHL Sec 15 T10S R19E 1000 FNL 2100 FWL
- 43-047-38598 RBU 20-14E Sec 15 T10S R19E 1821 FNL 0532 FEL BHL Sec 14 T10S R19E 1100 FNL 0100 FWL
- 43-047-38554 RBU 21-18F Sec 18 T10S R20E 2379 FSL 0834 FWL BHL Sec 18 T10S R20E 2450 FNL 0050 FWL
- 43-047-38555 RBU 27-18F Sec 18 T10S R20E 0902 FSL 2032 FWL BHL Sec 18 T10S R20E 1500 FSL 2700 FWL
- 43-047-38556 RBU 27-18F2 Sec 18 T10S R20E 0888 FSL 2005 FWL BHL Sec 18 T10S R20E 1500 FSL 1300 FWL
- 43-047-38557 RBU 30-18F Sec 18 T10S R20E 0897 FSL 2023 FWL BHL Sec 18 T10S R20E 0250 FSL 2800 FWL
- 43-047-38558 RBU 29-18F Sec 18 T10S R20E 0884 FSL 1996 FWL BHL Sec 18 T10S R20E 0150 FSL 1200 FWL
- 43-047-28549 RBU 17-24E Sec 19 T10S R20E 0703 FNL 0546 FWL BHL Sec 24 T10S R19E 0100 FNL 0150 FEL
- 43-047-38550 RBU 18-19F Sec 19 T10S R20E 0650 FNL 3147 FWL BHL Sec 19 T10S R20E 0050 FNL 2400 FEL

Page 3

43-047-38551 RBU 19-19F Sec 19 T10S R20E 0730 FNL 0558 FWL BHL Sec 19 T10S R20E 1400 FNL 1500 FWL

43-047-38552 RBU 20-19F Sec 19 T10S R20E 0721 FNL 0554 FWL BHL Sec 19 T10S R20E 1700 FNL 0200 FWL

43-047-38553 RBU 23-19F Sec 19 T10S R20E 0654 FNL 3156 FWL BHL Sec 19 T10S R20E 1450 FNL 2850 FEL

43-047-38548 RBU 32-13E Sec 13 T10S R19E 1624 FSL 0913 FEL BHL Sec 13 T10S R19E 1050 FSL 1550 FEL

43-047-38583 RBU 18-10E Sec 10 T10S R19E 0471 FNL 1409 FEL BHL Sec 10 T10S R19E 1350 FNL 1300 FEL

43-047-38591 RBU 25-14E Sec 14 T10S R19E 1380 FSL 0721 FEL BHL Sec 14 T10S R19E 2300 FSL 1250 FEL

43-047-38594 RBU 30-10E Sec 15 T10S R19E 0123 FNL 1590 FWL BHL Sec 10 T10S R19E 0300 FSL 2400 FWL

Our records indicate the RBU 25-10E is closer than 460 feet from the River Bend Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - River Bend Unit

Division of Oil Gas and Mining



State of Utah

# Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

September 25, 2006

Dominion Exploration & Production, Inc. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134

Re:

River Bend Unit 30-18F Well, Surface Location 897' FSL, 2023' FWL, SW SW, Sec. 18, T. 10 South, R. 20 East, Bottom Location 250' FSL, 2800' FWL, SE SW, Sec. 18, T. 10 South, R. 20 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38557.

Sincerely,

Gil Hunt

Associate Director

pab

**Enclosures** 

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	Dominion Exploration & Production, Inc.				
Well Name & Number	River Bend Unit 30-18F				
API Number:	43-047-38557				
Lease:	U-013793				
Surface Location: SW SW SU SE SW	Sec. 18 Sec. 18	<b>T.</b> 10 South <b>T.</b> 10 South	R. 20 East R. 20 East		

# **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

# 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

# 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
- 6 In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

Form 3160-5 (August, 1999)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

5.	Lease Serial No.	
	U-013793	

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

6. If Indian, Allottee or Tribe Name

abandoned well. Use	Form 3160-3 (APD) for	such proposals.					
SUBMIT IN TRIPLIC	CATE = Other Instruction	s on reverse side			7. If Unit or 6	CA/Agreement, Nam	e and/or No.
1. Type of Well		. 4			River E	Bend Unit	
Oil Well X Gas Well	Other	-41-	TIAI		8. Well Name	e and No.	
2. Name of Operator	<del></del>	UNFIDEN	1.		RBU	J 30-18F	
Dominion Exploration & Production	on, Inc.	OM IDEM	111	\L	9. API Well l	No.	
3a. Address Suite 6	,,,,	3b. Phone No. (inclu		· ' I	43-047-38		
14000 Quail Springs Parkway, Old 4. Location of Well (Footage, Sec., T., R., M.,		(405) 749-13	00			Pool, or Exploratory	Area
	• •			ļ		ıral Buttes	
897' FSL & 2,023' FWL, SW SW, 250' FSL & 2,800' FWL, SE SW,					•	r Parish, State ah, UT	
12. CHECK APPROPRIATE	BOX(ES) TO INDICATE	E NATURE OF N	OTIC	CE, REPO	RT OR O	THER DATA	
TYPE OF SUBMISSION		TYPE	OF A	CTION			
X Notice of Intent	Acidize	Deepen	Pro	oduction (St	art/Resume)	Water Shut-Off	
_	Altering Casing	Fracture Treat	Re	eclamation		Well Integrity	
Subsequent Report	Casing Repair	New Construction	Re	ecomplete		X Other	
<u> </u>	Change Plans	Plug and Abandon	Те	emporarily At	andon	Drilling Plan	
Final Abandonment Notice	Convert to Injection	Plug Back	wa	ater Disposa	I		
Attach the Bond under which the work following completion of the involved op testing has been completed. Final At determined that the site is ready for final Please find attached a new plan shows measured dept	erations. If the operation results in condomnent Notices shall be filed I inspection.)  If drilling plan. Previous the provious the provious of the provious o	n a multiple completio only after all requiren	n or rec nents. in With /	ompletion in actuding rect	n a new intervamation, have	/al, a Form 3160-4 s e been completed an	shall be filed once id the operator has
14. I hereby certify that the foregoing is true a Name (Printed/Typed)	and correct		1				
Keri Pfeifer				Title	Associa	ate Regulatory	Specialist
Signature Keri Pheiber				Date	11/06/2	2006	
生体素 大変 ジェン 全田時	SPACE FOR TEDER	A E (O) (A SA) A A I	E(0)		SE	7 2 7 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	
Approved by			Title	e			Date
Conditions of approval, if any, are attache certify that the applicant holds legal or e which would entitle the applicant to conductive to the applicant to conductive the	quitable title to those rights ir		Offi	ice			
Title 18 U.S.C. Section 1001 and Title 43 United States any false, flctitious or fraudu						make to any depa	rtment or agency of the

RECEIVED NOV 1 6 2006

# **APPROVAL OF OPERATIONS**

#### **Attachment for Permit to Drill**

Name of Operator: Address:

Dominion Exploration & Production

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

RBU 30-18F

SHL: 897' FSL & 2023' FWL Section 18-10S-20E BHL: 250' FSL & 2800' FWL Section 18-10S-20E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

# 2. <u>ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS</u>

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,371'
Uteland Limestone	4,731'
Wasatch	4,891'
Chapita Wells	5,781'
Uteland Buttes	7,011'
Mesaverde	7,901

# 3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL</u>, <u>GAS OR MINERALS</u>

Formation	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,371'	Oil
Uteland Limestone	4,731'	Oil
Wasatch	4,891'	Gas
Chapita Wells	5,781'	Gas
Uteland Buttes	7,011'	Gas
Mesaverde	7,901'	Gas

# 4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

Type	Size	Weight	<u>Grade</u>	Conn.	Top	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0,	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,706	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,856'	7-7/8"

# 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

#### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set..

All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	Mud Weight (ppg)	Mud System
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3,706'	8.6	Fresh water, rotating head and diverter
3,706' - 8,856'	8.6	Fresh water/2% KCL/KCL mud system

#### BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

## 9. TESTING. LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 0. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

#### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

- a. Surface Cement:
  - Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.
- b. Intermediate Casing Cement:
  - Drill 12-1/4" hole to 3,706'±, run and cement 9-5/8" to surface.
  - Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
  - Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
  - Cement to surface not required due to surface casing set deeper than normal.

					<u>Hole</u>	<u>Cement</u>
Type	Sacks	Interval	<b>Density</b>	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>
Lead	440	0'-3,206'	10.5 ppg	4.14 CFS	1042 CF	1,824 CF
Tail	254	3,206'-3,706'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 4.14 cf/sack Slurry weight: 10.5 #/gal.

Water requirement: 26.07 gal/sack
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.

Slurry yield: 1.20 cf/sack Slurry weight: 15.6 #/gal.

Pump Time: 1 hr. 5 min. @ 110 °F.

Compressives @ 110 °F: 2,500 psi after 24 hours

- c. Production Casing Cement:
  - Drill 7-7/8" hole to 8,856'±, run and cement 5 1/2".
  - Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
  - Displace with 2% KCL.
  - Production casing to be centralized with 30 centralizers.

					<u>Hole</u>	Cement
<u>Type</u>	Sacks	<u>Interval</u>	<b>Density</b>	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>
Lead	90	2,906'-3,706'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	1020	3,706'-8,856'	13.0 ppg	1.75 CFS	892 CF	1785 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch + 15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.

Water requirement: 17.71 gal/sack

Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.

Water requirement: 9.09 gal/sack

Compressives @ 165°F: 905 psi after 24 hours

# 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: December 1, 2006

Duration: 14 Days

Form 3160-3 (February 2005)

RECEIVED

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

UNITED STATES

ALIC 3 n 200c

DEPARTMENT OF THE I BUREAU OF LAND MAN		2000   5.	Lease Serial No. U-013793		
APPLICATION FOR PERMIT TO		6.	If Indian, Allotee or Trib	e Name	
ia. Type of work:  DRILL REENTE	ER .	7 1	7 If Unit or CA Agreement, Name and No. River Bend Unit		
lb. Type of Well: Oil Well Gas Well Other	Single Zone Multip	le Zone 8. I	Lease Name and Well No RBU 30-18F	).	
2. Name of Operator Dominion Exploration & Production, It	nc.	9. A	1. 1. Well No.	8557	
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	3b. Phone No. (include area code) 405-749-5263	10. F	ield and Pool, or Explora Natural Buttes	tory	
4. Location of Well (Report location clearly and in accordance with an	•	11. Se	ec., T. R. M. or Blk. and S	Survey or Area	
At surface 897' FSL & 2,023' FWL, Lot 4 (SW At proposed prod. zone 250' FSL & 2,800' FWL, SE/4 SW/4			Section 18, T10S, R2	0E, SLB&M	
14. Distance in miles and direction from nearest town or post office* 10.25 miles southwest of Ouray, Utah		ļ.	County or Parish Uintah	13. State UT	
15 Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  897*	16. No. of acres in lease 1,600.00 acres	17. Spacing Unit 20 acres	ing Unit dedicated to this well		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  10'	19. Proposed Depth 8,6000' TVD (8,856' MD)	20. BLM/BIA Bo WY 3322	WBIA Bond No. on file  7 3322		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,106' GR	22. Approximate date work will star 12/01/2006	t* 23.	Estimated duration 14 days		
	24. Attachments				
The following, completed in accordance with the requirements of Onshor	e Oil and Gas Order No.1, must be at	tached to this form	:		
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> </ol>	Item 20 above).	•	ss covered by an existing	g bond on file (see	
3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).			on and/or plans as may be	e required by the	
25. Signature Don Hamilton	Name (Printed/Typed)  Don Hamilton		Date 0:	8/31/2006	
Title Agent for Dominion					
Approved by (Signature)	Name (Printed/Typed) PSTE 16 J	DKOLOSK,	Date //	1-17-2006	
Title Assistant Fleid Manager Lands & Mineral Resources	Office	VEDNA	L FIELD OF	FICE	
Application approval does not warrant or certify that the applicant hold conduct operations thereon.  Conditions of approval, if any, are attached.	s legal or equitable title to those right	s in the subject lea	ise which would entitle th	e applicant to	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr States any false, fictitious or fraudulent statements or representations as	ime for any person knowingly and woo any matter within its jurisdiction.	rillfully to make to	any department or agence	ry of the United	

\*(Instructions on page 2) CONDITIONS OF APPROVAL ATTACHED

Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

CONFIDENTIAL RECEIVED

DEC 01 2000 RIGINAL



## UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE**

170 South 500 East VERNAL, UT 84078

(435) 781-4400



## CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Dominion Exploration & Pr		n & Production	Location:	The same the same to be seen as the same to be same to be seen as the same to be seen as the same to be sa	ec 18, T10S, R20E		
Well No:	RBU 30-18F		Lease No:	UTU-013793			
API No:	43-047-38557		Agreement:	River Be	end Unit		
Petroleum	Engineer:	Matt Baker	Office: 435-7	81-4490	Cell: 435-828-4470		
the second secon	Engineer:	Michael Lee	Office: 435-7	81-4432	Cell: 435-828-7875		
	Engineer:	James Ashley	Office: 435-7	81-4470			
Supervisor	ry Petroleum Technician:	Jamie Sparger	Office: 435-7	81-4502	Cell: 435-828-3913		
Environme	ental Scientist:	Paul Buhler	Office: 435-7	81-4475	Cell: 435-828-4029		
Environme	ental Scientist:	Karl Wright	Office: 435-7	81-4484			
Natural Re	esource Specialist:	Holly Villa	Office: 435-7	81-4404			
Natural Re	esource Specialist:	Melissa Hawk	Office: 435-7	81-4476			
	esource Specialist:	Charles Sharp	Office: 435-7	81-4486			
Natural Re	esource Specialist:	Scott Ackerman	Office: 435-7	81-4437			
	rs contact number: (435)	781-4513	FAX: (435) 7	781-4410			

## A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

#### NOTIFICATION REQUIREMENTS

<u>ive</u>	711	HOATION REGUITEMENTO
Location Construction (Notify Karl Wright)	-	Forty-Eight (48) hours prior to construction of location and access roads
Location Completion (Notify Karl Wright)	-	Prior to moving on the drilling rig.
Spud Notice (Notify PE)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Jamie Sparger SPT)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Jamie Sparger SPT)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify PE)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 6 Well: RBU 30-18F 11/17/2006

# SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee will submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods.
- The interim seed mix for reclamation would be:

Hy-crest Crested Wheat grass Agropyron cristatum 4 lbs per acre
Western Wheat grass Agropyron smithii 4 lbs per acre
Needle and Thread grass Stipa comata 4 lbs per acre

- If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- Following well plugging and abandonment, the location, access roads, pipelines, and
  other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to
  approximate the original contour; the top soil respread over the surface; and, the surface
  revegetated. The surface of approved staging areas where construction activities did
  not occur may require disking or ripping and reseeding.

Page 3 of 6 Well: RBU 30-18F 11/17/2006

#### DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.
- Variance granted:
- Eighty foot long blooie line approved.

## DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- <u>Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.</u>
- Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test must be reported in the driller's log.
- BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.

Page 4 of 6 Well: RBU 30-18F 11/17/2006

- The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
- All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- The lessee/operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
- No location will be constructed or moved, no well will be plugged, and no drilling or
  workover equipment will be removed from a well to be placed in a suspended status
  without prior approval of the BLM, Vernal Field Office. If operations are to be suspended
  for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained
  and notification given before resumption of operations.
- Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field
  Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers
  until the well is completed.
- Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the
  written report requirement. Any additional construction, reconstruction, or alterations of
  facilities, including roads, gathering lines, batteries, etc., which will result in the
  disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore
  Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field
  Office.
- In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all

Page 5 of 6 Well: RBU 30-18F 11/17/2006

other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office
  Petroleum Engineers will be provided with a date and time for the initial meter calibration
  and all future meter proving schedules. A copy of the meter calibration reports will be
  submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the
  API standards for liquid hydrocarbons and the AGA standards for natural gas
  measurement.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - o Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located;
     otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and / or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A,

Page 6 of 6 Well: RBU 30-18F 11/17/2006

will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



# **DIVISION OF OIL, GAS AND MINING**

## **SPUDDING INFORMATION**

Name of Co	ompany:	DOMINION	EXPL & PRO	D INC	
Well Name	•	RBU 30-18F			
Api No:	43-047-385	357	_Lease Type:	FEDERAL	
Section 18	Township_	10S Range_	20E County	y <u>UINTAI</u>	<u> </u>
Drilling Co	ntractor	BILL JR'S	]	RIG # <u>6</u>	
SPUDDE	ED:				
	Date	01/06/07	<del></del>		
	Time	7:00 AM	_		
	How	DRY			
Drilling w	vill Commen	ce:			
Reported by	/	PAT WISENE	ER		
Telephone #	#	(435) 828-1455	5		
Date <u>(</u>	01/08/2007	Signed	CHD		

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

# DIVISION OF OIL, GAS AND MINING

#### **ENTITY ACTION FORM**

Operator:

Dominion Exploration & Production, Inc.

Operator Account Number: N 1095

Address:

14000 Quail Springs Parkway, Suite 600

city Oklahoma City

state OK zip 73134

Phone Number: <u>(405) 749-5237</u>

Well 1

API Number	Well I	QQ	Sec	Twp	Rng	County		
43-047-38557	RBU 30-18F		swsw	18	108	20E Uintah		
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignmen Effective Date		
/B	99999	7050	1/6/2007		1/18/07			
Comments:	MVRD = WS H = SESW	MVB			CO	NFIDE	TAITIAI	

Well 2

API Number	Well Name			Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number		pud Dat	<b>e</b>	Ent	ity Assignment Effective Date
Comments:				**	<del></del>		

Well 3

API Number	Well	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	\$	pud Da		Εn	lity Assignment ffective Date
Comments:			<u> </u>		<del></del>		

#### **ACTION CODES:**

(5/2000)

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a new entity
- Other (Explain in 'comments' section)

**RECEIVED** 

JAN 1 8 2007

DIV. OF OIL, GAS & MINING

Barbara Lester

Regulatory Specialist

Title

1/17/2007 Date

Form 3160-5 (August, 1999)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

OMB No. 1004-0135 Expires: November 30, 2000

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		ı	^	4	^	_	_	_	

FORM APPROVED

SUNDRY NOTICES AND REPORTS ON WELLS U-013793	
Do not use this form for proposals to drill or to re-enter an  6. If Indian, Allottee or Tribe Name	2
pandoned well. Use Form 3160-3 (APD) for such proposals.	

Do not use this form for proposals to drill or to a	e-enter an 6. If Indian, Allottee or Tribe Name
abandoned well. Use Form 3160-3 (APD) for such	n proposals.
The State of the S	7. If Unit or CA/Agreement, Name and/or No.
I. Type of Well	River Bend Unit
Oil Well X Gas Well Other	8. Well Name and No.
2. Name of Operator	RBU 30-18F
Dominion Exploration & Production, Inc.	9. API Well No.
	none No. (include area code) 43-047-38557
	05) 749-5237 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	Natural Buttes
SHL: 897' FSL & 2023' FWL, SW SW, Sec. 18-10S-20E	11. County or Parish, State
BHL: 250' FSL & 2800' FWL, SE SW, Sec. 18-10S-20E	Uintah, UT
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NA	TURE OF NOTICE, REPORT OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent Acidize Deep	
	ure Treat Reclamation Well Integrity
X Subsequent Report Casing Repair New	Construction Recomplete X Other
Change Plans Plug	and Abandon Spud Well
Final Abandonment Notice Convert to Injection Plug I	Back Water Disposal
Attach the Bond under which the work will be performed or provide the Bond following completion of the involved operations. If the operation results in a mutesting has been completed. Final Abandonment Notices shall be filed only a determined that the site is ready for final inspection.)  1/6/07 - Spud well. Ran 12 jts 13 3/8" 48#, H-40, ST&C w/good returns & 10 bbls cement to pit.	cluding estimated starting date of any proposed work and approximate duration thereof. face locations and measured and true vertical depths of all pertinent markers and zones. No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days littiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once fiter all requirements, including reclamation, have been completed and the operator has CSG @ 527'. Cement tail w/500 sks Class "G", 15.8 ppg, 1.15 yld
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	1
Barbara Lester	Title Regulatory Specialist
Signature Ruhala Kash	Date 1/7/2007
Approved by	Title Date
Conditions of approval, if any, are attached. Approval of this notice does not certify that the applicant holds legal or equitable title to those rights in the s which would entitle the applicant to conduct operations thereon.	warrant or ubject lease Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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**FACSIMILE COVER PAGE** 

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## WELL CHRONOLOGY REPORT



WELL NAME: RBU 30-18F

DISTRICT: WESTERN

FIELD: NATURAL BUTTES 630

Event No: 1

LOCATION: 897' FSL 2023' FWL SEC 18 T 10S R 20E

**COUNTY & STATE: UINTAH** 

UT

CONTRACTOR:

WI %: 100.00

AFE #: 0700217

API#: 43-047-38557

PLAN DEPTH: 8,856

SPUD DATE: 01/06/07

DHC: \$863,155

AFE TOTAL: \$1,625,439

FORMATION: WASATCH/MESAVERDE

EVENT DC: \$104,457.00

CWC: \$762,284 **EVENT CC: \$0.00** 

EVENT TC: \$104,457.00

WELL TOTL COST: \$104,457

**REPORT DATE: 01/08/07** 

MD: 550

TVD:550

DAYS:

MW:

VISC:

DAILY: DC: \$104,457.00

CC:\$0.00

TC:\$104,457.00

CUM: DC: \$104,457.00

CC: \$0.00

TC: \$104,457.00

DAILY DETAILS: MIRU BILL JRS #6. SPUD WELL ON 1-6-07 @ 7:00 AM. DRILL 550 OF 17.5" HOLE. RUN & SET 12 JT'S 13.375"

48#, H-40 CSGN @ 527'/GL CEMENT W/ 500 SKS TAIL MIXED @ 15.8 PPG & 1.15YLD W/ GOOD RETURNS AND

10 BBLS CEMENT TO PIT.

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AFE #: 0700217

Page: 1

TC: \$104,457.00



DISTRICT: WESTERN

WI %: 100.00

**COUNTY & STATE: UINTAH** 

DAILY: DC: \$104,457.00

WELL NAME: RBU 30-18F

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LOCATION: 897' FSL 2023' FWL SEC 18 T 10S R 20E

CC: \$0.00

CONTRACTOR:

**PLAN DEPTH: 8,856** SPUD DATE: 01/06/07 API#: 43-047-38557

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FIELD: NATURAL BUTTES 630

**REPORT DATE: 01/08/07** MD: 550 TVD: 550 DAYS: MW: VISC: TC:\$104,457.00

DAILY DETAILS: MIRU BILL JRS #6. SPUD WELL ON 1-6-07 @ 7:00 AM. DRILL 550' OF 17.5" HOLE. RUN & SET 12 JT'S 13.375",

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10 BBLS CEMENT TO PIT.

CC:\$0.00

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#### WELL CHRONOLOGY REPORT

WELL NAME: RBU 30-18F

**DISTRICT: WESTERN** 

**FIELD: NATURAL BUTTES 630** 

Event No: 1

LOCATION: 897' FSL 2023' FWL SEC 18 T 10S R 20E

**COUNTY & STATE: UINTAH** 

CONTRACTOR:

WI %: 100.00

AFE#: 0700217

API#: 43-047-38557

PLAN DEPTH: 8,856

SPUD DATE: 01/06/07

DHC: \$863,155

CWC: \$762,284

AFE TOTAL: \$1,625,439

FORMATION: WASATCH/MESAVERDE

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**EVENT CC: \$0.00** 

EVENT TC: \$104,457.00

WELL TOTL COST: \$104,457

**REPORT DATE: 01/08/07** 

MD: 550

TVD: 550

DAYS:

MW:

VISC:

Page: 1

DAILY: DC: \$104,457.00

CC:\$0.00

TC:\$104,457.00

CUM: DC: \$104,457.00

CC: \$0.00

TC: \$104.457.00

DAILY DETAILS: MIRU BILL JRS #6. SPUD WELL ON 1-6-07 @ 7:00 AM. DRILL 550' OF 17.5" HOLE. RUN & SET 12 JT'S 13.375", 48#, H-40 CSGN @ 527'/GL CEMENT W/ 500 SKS TAIL MIXED @ 15.8 PPG & 1.15YLD W/ GOOD RETURNS AND

10 BBLS CEMENT TO PIT.

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CC: \$0.00

TC: \$104,457.00

DAILY DETAILS: MIRU BILL JRS #6. SPUD WELL ON 1-6-07 @ 7:00 AM. DRILL 550' OF 17.5" HOLE. RUN & SET 12 JT'S 13.375", 48#, H-40 CSGN @ 527'/GL CEMENT W/ 500 SKS TAIL MIXED @ 15.8 PPG & 1.15YLD W/ GOOD RETURNS AND 10 BBLS CEMENT TO PIT.

**RECEIVED** FEB 2 8 2007

Date: 3/14/2007 Time: 5:03:16 PM

Page 1 of 2

**FACSIMILE COVER PAGE** 

To:

Utah Division of Oil, Gas & Mining

Sent: 3/14/2007 at 4:10:16 PM

**RBU 30-18F** Subject :

From:

Pages:

2 (including Cover)

43-047-39557 18 10s 20e

> **RECEIVED** MAR 1 4 2007

Page: 1



## WELL CHRONOLOGY REPORT



WELL NAME: RBU 30-18F

DISTRICT: WESTERN

FIELD: NATURAL BUTTES 630

Event No: 1

LOCATION: 897' FSL 2023' FWL SEC 18 T 10S R 20E

CONTRACTOR:

**COUNTY & STATE: UINTAH** WI %: 100.00 AFE #: 0700217

API#: 43-047-38557

PLAN DEPTH: 8,856

SPUD DATE: 01/06/07

DHC: \$863,155

CWC: \$762,284

AFE TOTAL: \$1,625,439

FORMATION: WASATCH/MESAVERDE

EVENT DC: \$104,457.00

**EVENT CC: \$0.00** 

EVENT TC: \$104,457.00

WELL TOTL COST: \$104,457

REPORT DATE: 01/08/07

MD: 550

TVD:550

DAYS:

MW:

VISC:

DAILY: DC: \$104,457.00

CC:\$0.00

TC:\$104,457.00

CUM: DC: \$104,457.00

CC: \$0.00

TC: \$104,457.00

DAILY DETAILS: MIRU BILL JRS #6. SPUD WELL ON 1-6-07 @ 7:00 AM. DRILL 550' OF 17.5" HOLE. RUN & SET 12 JT'S 13.375", 48#, H-40 CSGN @ 527'/GL CEMENT W/ 500 SKS TAIL MIXED @ 15.8 PPG & 1.15YLD W/ GOOD RETURNS AND

10 BBLS CEMENT TO PIT.

**RECEIVED** MAR 1 4 2007

Date: 3/22/2007 Time: 12:21:14 PM

Page 1 of 2

**FACSIMILE COVER PAGE** 

To:

Utah Division of Oil, Gas & Mining

Sent :

3/22/2007 at 11:03:12 AM

Subject :

**RBU 30-18F** 

From:

g

Pages:

2 (including CANT)

43-047-38557 18 10s 20e

RECEIVED MAR 2 2 2007



### WELL CHRONOLOGY REPORT

WELL NAME: RBU 30-18F

DISTRICT: WESTERN

FIELD: NATURAL BUTTES 630

Event No: 1

LOCATION: 897' FSL 2023' FWL SEC 18 T 10S R 20E

COUNTY & STATE : UINTAH

CONTRACTOR:

WI %: 100.00

AFE #: 0700217

API#: 43-047-38557

PLAN DEPTH:8,856

SPUD DATE: 01/06/07

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MD: 550

TVD:550

DAYS:

MW:

VISC:

Page: 1

DAILY: DC: \$104,457.00

CC:\$0.00

TC:\$104,457.00

CUM: DC: \$104,457.00

CC: \$0.00

TC: \$104,457.00

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10 BBLS CEMENT TO PIT.

**RECEIVED** MAR 2 2 2007

Date: 3/28/2007 Time: 4:25:46 PM

Page 1 of 2

**FACSIMILE COVER PAGE** 

To:

Utah Division of Oil, Gas & Mining

Sent :

3/28/2007 at 3:18:02 PM

Subject :

**RBU 30-18F** 

From : Pages :

g

2 (including Cover)

43-047-38557 18 10520e

> RECEIVED MAR 2 8 2007



## WELL CHRONOLOGY REPORT

WELL NAME: RBU 30-18F

DISTRICT: WESTERN

FIELD: NATURAL BUTTES 630

Event No: 1

LOCATION: 897' FSL 2023' FWL SEC 18 T 10S R 20E

**COUNTY & STATE: UINTAH** 

CONTRACTOR:

WI %: 100.00

AFE#: 0700217

API#: 43-047-38557

PLAN DEPTH: 8.856

SPUD DATE: 01/06/07

DHC: \$863,155

CWC: \$762,284

AFE TOTAL: \$1,625,439

FORMATION: WASATCH/MESAVERDE

EVENT DC: \$104,457.00

**EVENT CC: \$0.00** 

EVENT TC: \$104,457.00

WELL TOTL COST: \$104,457

**REPORT DATE: 01/08/07** 

MD: 550

TVD:550

DAYS:

MW:

VISC:

Page: 1

DAILY: DC: \$104,457.00

CUM: DC: \$104,457.00

CC: \$0.00

TC: \$104,457.00

CC:\$0.00

TC:\$104,457.00

DAILY DETAILS: MIRU BILL JRS #6. SPUD WELL ON 1-6-07 @ 7:00 AM. DRILL 550' OF 17.5" HOLE. RUN & SET 12 JT'S 13.375", 48#, H-40 CSGN @ 527'/GL CEMENT W/ 500 SKS TAIL MIXED @ 15.8 PPG & 1.15YLD W/ GOOD RETURNS AND

10 BBLS CEMENT TO PIT.

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## **FACSIMILE COVER PAGE**

Sent:

Utah Division of Oil, Gas & Mining To:

4/10/2007 at 5:01:38 PM

From: g

Pages:

5 (including Cover)

Subject: **RBU 30-18F** T105 R20E 5-18 43-041-38551

CONFIDENTIAL

**RECEIVED** APR 1 1 2007

								Page 1 of 4		
		DEPI	Well Opera	ations Chro	nology Re	90II				
Well: RBU 30:48F		API: 430473855700		Rpt No.:10	DOL: 9	OFS:8	Report Date: 48/2	907		
Operator: DOMINION EXP	PLORATION & PRODUC			UWI: SEC 18-105-208	, SHL 897' FSL & 20	29' FWL				
Rig Name: patterson 12	·			Final Surface Location	i.					
Event DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007		Type: DEVELOPMENT				
Supervisor: SCOTT SEEL	Y	Engineer: RICHARD HOWE	ELL	AFE No.: 0700217		Authorized Days:				
Active Datum: GL @5,10	36.0ft (GROUND	Ground Elev.: 5,108.00		VM: 100%		Authorized MD/TVD: 8,600				
	CURRENT DEP	111	HOLE SIZE	MUDWEGHT		LAST	CASING			
MD(ft)	TVD(ft)	24 Hr. Progress	A Company of the Comp		SIZE	MD	TVD	LOT(EMW)		
3,546.00	3,356.66	0.0 <del>(ft</del> )	,	9.00(ppg)	9-5/8(*)	3,505.0(ft)	3,305.0(ft)	(ppg)		
	FORMATION/	ARGET NAME		MD TOP (ft)	TVD TOP (ft)		NEXT CASING			
WASATCH				and the second s		SIZE	MD	TVD		
1ESAVERDE						5-1/2(")	8,840.0(ft)	8,600.0(ft)		
Daily Detail: WAIT (	ON HALLIBURTON			<del></del>			Well Costs (\$)			
CIRC.	& WORK STUCK 9 5/					**************************************	AFE	Actual		
RIG UF		MT 9 5/8 CSG. PUMPED				Daily Cost		85,746.00		
		TAIL 255 SK "G" 15.6 PF		G BUMPED FLOATS	HELD	Cumulative Total	1,625,439.00	493,506.00		
	ON CMT.	CMT. IN PLACE @ 13:00								
	FF 9 5/8 AND WELD E UP BOP	ON WELL HEAD								
Well: RBU 30-18F		API: 430473856700		Rpt No.::11	DOL: 10	DFS:9	Report Date: 49/2	007		
Operator DOMINION EX	PLORATION & PRODUC	TION INC		UWI: SEC 18-10S-208	, SHL 897' FSL & 20	23' FWL				
Rig Name: patterson 12				Final Surface Location	):					
vent DRILL	nt DRILL Start Date: 12/13/2006					Type: DEVELOPMENT				
Supervisor: SCOTT SEEL	ervisor: SCOTT SEELY Engineer: RICHARD HOWELL			AFE No.: 0700217		Authorized Days:				
Active Datum: GL @5,10 LEVEL)	38.0ft (GROUND	Ground Elev.: 5,108.00		VM: 100%		Authorized MD/TVD: 8,60	00			
	CURRENT DEP	TH	HOLE SIZE	MUD WEIGHT		LAST	CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)		
3,546.00	3,356.66	0.0( <del>ft</del> )	7-7/8(*)	8.40(ppg)	9-5/8(*)	3,505.0(ft)	3,405.0(ft)	(ppg)		
	FORMATION/	ARGET NAME		MO TOP (R)	TVD TOP (ft)		NEXT CASING			
VASATCH						SIZE	MD	TVD		
MESAVERDE						5-1/2(*)	8,840.0(ft)	8,600.0(ft)		
Paily Detail: NIPPLE			D 0 000 4500 500				Well Costs (\$)			
	S. TEST BOP & CHOP EAR BUSHING	KE TO 3000 PSI ANNULA	ik & USG. 1500 PSI	I			AFE	Actual		
TRIPI	HOLE AND PICK U	P 9 JTS. D.P. TAG CMT.	@ 3441'			Daily Cost		33,595.00		
	CMT AND FLOAT EC F/3546' T/3569'	1.				Cumulative Total	1,625,439.00	527,101.00		
FORM.	TEST 300PSI OK					<u> </u>				
	F/3569' T/3791' EY - TOOL PARTED									
TRIPF	OR SURVEY TOOL									



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APR 1 1 2007

Operator: DOMINION EXPLORATION & PRODUCTION INC         UW: SEC 18-10S-20E, SHL 897* FSL & 2023* FWL.           Final Surface Location:           Event DRILL         Start Date: 12/13/2006         Spud Dt: 1/6/2007         Type: DEVELOPMENT           Supervisor: SCOTT SEELY         Engineer: RICHARD HOWELL         AFE No.: 0700217         Authorized Days:           Active Datum: GL@5,108.0ft (GROUND LEVE: 5,108.00)         WI: 100%         Authorized MD/TVD: 8,800           CURRENT/DEPTH         HOLE SDEE         MID WEGHT         LAST CASING           MD TVD (ft)         TVD TOP (ft)         ND TOP (ft)         ND TOP (ft)         NEXT CASING           WASATCH         MD TOP (ft)         TVD TOP (ft)         NEXT CASING           WASATCH         SIZE         MD TOP (ft)         NEXT CASING           WASATCH         SIZE         MD TOP (ft)         NEXT CASING           WASATCH         SIZE         MD TOP (ft)         NEXT CASING           WASATCH         SIZE									Page 2 of 4
Green   Column No Column			DEP	Well Opera	ations Chro	nology Rep	oort		
Part Service   Part	Well: RBU 30/18F		API: 430473866700		Rpt No.: 12	DOL: 11	DES: 10	Report Date: 470	/2007
Sept Only   Sept	Operator: DOMINION EXP	PLORATION & PRODUCT	TON INC		UWI: SEC 18-10S-208	E, SHL 897' FSL & 202	3' FWL		
Repert SCOTT SEELY	Rig Name: patterson 12				Final Surface Location	1:			
ABJOR DOWN OF COUNTY OF THE PROPERTY OF THE PR	Event: DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007		Type: DEVELOPMENT		
CURRENT DESTIN   ADDRESS   MISS WEIGHT   SET	Supervisor: SCOTT SEEL	Y	Engineer: RICHARD HOW	LL	AFE No.: 0700217		Authorized Days:		
SCORD   SCOR		06.0ft (GROUND	Ground Elev.: 5,108.00		WI: 100%		Authorized MD/TVD: 8,800	0	
\$49.00   \$49.00   \$197.20   \$778[7]   \$40000   \$5407   \$3.00.00   \$3.40.00   \$100		CURRENT DEP	TH	HOLE SIZE	MUDWEGHT		LAST	CASING	
	MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
MEANATON   SATE   M.D.   TO	5,663.00	5,489.08	1,872.D(ft)	7-7/8(*)	8.40(ppg)	9-5/8(*)	3,505.0(ft)	3,405.0(ft)	(ppg)
MACATON   SIZE					145 YOR (8)	TVD TOP (M)		NEXT CASING	
Material	NAME OF THE OWNER OWNER OF THE OWNER OWN	FORMATIONAL	ARGEINAME				SIZE		
Deliy Order:   TRIP FOR SURVEYTOOL			· · · · · · · · · · · · · · · · · · ·					8,840.0(ft)	9,600.0(ft)
DRILL FATOR 174388	MESAVERUE								
SURVEY 3703 A DEG 119 AZ   DRILL FARRY TOSIS NO A DEG 19 AZ   DRILL FARRY TOSIS SURVEY 4249 A DEG 19 AZ   DRILL FARRY TOSIS SURVEY 4249 A DEG 19 AZ   DRILL FARRY TOSIS   DRILL FARRY TO	,								A - A 1
SUPPLY 14984   196   190 AZ   DRILLERS 19 NAZ			vz					AFE	
DRILL F5313*175693			17				Daily Cost		
Marie   Debug   Debu			<b>~</b>				Cumulative Total	1,625,439.00	585,026.00
Department DOWNSON EXPL-OPATION & PRODUCTION INC	Well: RBU 30:18F		API: 430473856700		Rpt No.:3	DOL: 2	DES: 1	Report Date: 4/1/	2007
Sept Delity	Operator: DOMINION EXI	PLORATION & PRODUCT	TON INC		UWI: SEC 18-105-20	E, SHL 897' FSL & 20:	3' FWL		
Agents   September   Septemb	Rig Name: PATTERSON	12		-	Final Surface Location	n:			
Address Datum OL 65, 108 0ft (GROUND LEVEL)	Event DRILL	rent DRILL Start Date: 12/13/2006 Spud Dt.: 1/6/2007 Type: DEVELOPMENT							
CURRENT DEPTH	Supervisor: SCOTT SEEL	.Y	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:		
MORN   TVD(N)   24 Hr Progress   SZE   MD   TVD   LOT(EMW)					VM: 100%		Authorized MD/TVD: 8,60	0	
TOTAL   STATE   STAT		CURRENT DEP	TH:	HOLE SIZE	MUD WEIGHT		LAST	CASING	
FORMATION/TARGET:NAME	MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
MESAVERDE	708.00	707.93	158.0(ft)		9.20(ppg)	9-5/8(*)	3,505.0(ft)	3,305.0(ft)	(ppg)
MESAVERDE	I				UD TOP (0)	TVD TOP #		NEXT CASING	
Daily Detail:   RISGING UP   PICK UP BHA   RISGING WERE AND RIVER WORK ON \$1 PUMP MOTOR DRILL CMT. FLOAT & SHOE FA50" T/53"   DRILL CMT. FLOAT & SHOE FA50" T/53" T/50"	WASATCH	FORMATION/I	ARGELRAITE				SIZE	A CONTRACTOR OF THE PROPERTY O	
Daily Detail:   RIGGING UP   PICK UP BHA   RIGREPAIR - WORK ON #1 PUMP MOTOR   DRILL CMT - FLOAT & SHOE F/450*17/537*   DRILL ROT. AND SLIDE F/537*17/709*   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   Right No. 41.   DOI: 3   DFS: 2   Right No. 41.   DOI: 3   DFS: 2   Report Data; 42/20***   DOI: 41.							5-1/2(*)	8,840.0(ft)	8,600.0(ft)
PICK UP BHA   RIG REPAIR - WORK ON \$1 PUMP MOTOR   DRILL CMT - FLOAT & SHOE F/450' T/531'     DRILL CMT - FLOAT & SHOE F/450' T/531'     DRILL CMT - FLOAT & SHOE F/450' T/531'     DRILL ROT. AND SLIDE F/531' T/709'     Well - RBU 30 - 18F	<del></del>		<del></del>	<del> </del>					
RIG REPAIR - WORK ON #1 PUMP MOTOR DRILL ONT. FLOAT & SHOE F/450* T/537* DRILL NT. FLOAT & SHOE F/450* T/537* DRILL RT. FLOAT & SHOE F/450* T/537* DRILL RT. FLOAT & SHOE F/450* T/537* DRILL RT. FAND SLIDE F/537* T/709*   Right No. 34   Doll: 9   Dolly Cost   1,825,439.00   141,957.00	_ •								Actual
DRILL ROT. AND SLIDE F/537* T/709*   Cumulative Total   1,825,439,00   141,957.00	RIG RE	PAIR - WORK ON #1						AFE	
Vivil   RBU 30-19F								4 005 400 00	
Operator: DOMINO NEXPLORATION & PRODUCTION INC         UM: SEC 18-10S-20E, SHL 897 FSL & 2023 FWL.           Final Surface Location           Event DRILL         Star Date: 12/13/2006         Spud Dt: 16/2007         Type: DEVELOPMENT           Supervisor: SCOTT SEELY         Engineer. RICHARD HOWELL         AFE No.: 0700217         Authorized Days:           Active Datum         GL@5,108.0ft (GROUND         Ground Elev: 5,108.00         WI: 100%         LAST CASING           CURRENT DEPTH         HOLE SIZE         MUD WBIGHT         LAST CASING           MD TYD         LOT(EMW)           1,282.00         1,245.94         564.0(ft)         8.90(ppg)         9-5/8(**)         3,505.0(ft)         3,305.0(ft)         (ppg)           PORMATION/TARGET NAME         MD. TOP (ft)         TVD TOP (ft)         NEXT-CASING           WASATCH         NEXT-CASING         NEXT-CASING           WASATCH         SIZE         MD. TOP (ft)         NEXT-CASING									

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								Page 3 of 4		
		DEP	l Well Opera	ations Chro	nology Rej	oort				
Well: RBU 30/48F		API: 430473856700		Rpt No.: 5	DOL:4	DES: 3	Report Date 4/5/2	1007		
	PLORATION & PRODUCT			UW: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL						
Rig Name: PATTERSON				Final Surface Location:						
Event DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007 Type: DEVELOPMENT						
Supervisor: SCOTT SEEL	Y	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:	<del></del>			
Active Datum: GL@5,10 LEVEL)		Ground Elev.: 5,108.00		W1: 100%		Authorized MD/TVD: 8,60	0			
	CURRENT DEPT	TH .	HOLESIZE	MUD WEIGHT		LAST	CASING			
MD(ft)	TVD(ft)	24 Hr. Progress	3.50		SIZE	MD	TVD	LOT(EMW)		
1,850.00	1,763.41	588.0(ft)	†	8.90(ppg)	9-5/8(*)	3,505.0(ft)	3,305.0(ft)	(ppg)		
ı		LAAPT UALE		MD TOP (ft)	TVD TOP (ft)		NEXT CASING			
WASATCH	FORMATION/T	AKGE I NAIVE				SIZE	MD	TVD		
MESAVERDE				<del>                                     </del>		5-1/2(*)	8,840.0(ft)	8,600.0(ft)		
					<u> </u>					
RIG SE	ERVICE	E & ROT. TO BUILD ANG E & ROT. TO BUILD ANG					Well Costs (\$)  AFE	Actual		
DINEE.	F/1430 1/1000 CEC.	. a not to be	, LL			Daily Cost		38,710.00		
						Cumulative Total	1,625,439.00	220,487.00		
		API: 430473856700		Rpt No.: 8	DOL: 6	DES:4	Report Date: 4/4/2	2007		
Well: RBU 30:18F	PLORATION & PRODUCT									
Rig Name: patterson 12	PLOTORI OR OF HODOS	HON INC	<del></del>	UW: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL Final Surface Location:						
Event DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007 Type: DEVELOPMENT						
Supervisor: SCOTT SEELY Engineer: RICHARD HOWELL		AFE No.: 0700217								
Active Datum: GL@5,10	1010-	Ground Elev: 5,106 00		W: 100% Authorized MD/TVD: 8,600						
LEVEL)	DB.UR (GROONE)	Oldana Biot.								
	CURRENT DEPT	TH	HOLE SIZE	MUD WEIGHT		LAST	CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)		
2,390.00	2,236.47	540.0(ft)	İ	8.90(ppg)	9-5/8(*)	3,505.0(ft)	3,305.0(ft)	(ppg)		
	FORMATION/T	ARGET NAME		MD TOP (ft)	TVD TOP (ft)		NEXT CASING			
WASATCH			Taransana a comprese para			SIZE	MD	TVD		
MESAVERDE						5-1/2(°)	8,840.0(ft)	8,600.0(ft)		
Daily Detail: DRILLI	F/1850' T/2055' HOLD	NNG ANGLE		<del>!</del>			Well Costs (\$)			
RIG SE	ERVICE						AFE AFE	Actual		
DRILL I	F/2055' T/2390' HOLD	ING ANGLE				Daily Cost		41,841.00		
						Cumulative Total	1,625,439.00	282,328.00		
						W				
Well RBU 30-18F		API: 430473856700		Rpt No. 7	DOL: 6	DFS:8	Report Date: 452	2007		
Operator: DOMINION EXP	PLORATION & PRODUCT	TION INC			E, SHL 897' FSL & 202	23' FWL				
Rig Name: patterson 12				Final Surface Location	1:	<b>-</b>				
Event DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007		Type: DEVELOPMENT				
Supervisor: SCOTT SEEL	.Y	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:				
Active Datum: GL@5,10 LEVEL)		Ground Elev.: 5,108.00		VM: 100%	1	Authorized MD/TVD: 8,60				
200000000000000000000000000000000000000	CURRENT DEPT		HOLE SIZE	MUD WEIGHT			CASING			
MD(ft)	TVD(ft)	24 Hr. Progress	]		SIZE	MD	TVD	LOT(EMW)		
2,881.00	2,699.33	491.0(ft)		9.00(ppg)	9-5/8(")	3,505.0(ft)	3,305.0(ft)	(ppg)		
	FORMATION/T	ARGET NAME		MD TOP (ft)	TVD TOP (ft)		NEXT CASING			
WASATCH	Series and					SIZE	MD	TVD		
MESAVERDE						5-1/2(*)	. 8,840.0(ft)	8,600.0(ft)		
Daily Detail: DRILLI	F/2390' T/2468' DROP	PPING ANGLE					Well Costs (\$)	auni waning pagaman		
RIG SE	ERVICE					CONTROL OF THE PROPERTY OF THE	AFE	Actual		
DRILL	F/2468' T/2881' DROP	PING ANGLE				Daily Cost		61,480.00		
Į.							1 825 420 00	323 788 00		

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45,612.00

407,760.00

1.825.439.00

Date: 4/10/2007 Time: 6:30:00 PM Page 4 of 4 **DEPI Well Operations Chronology Report** Report Date: 48/2007 API: 430473866700 DOL:7 Well: RBU 30/18F Rot No.:8 Operator: DOMINION EXPLORATION & PRODUCTION INC UWI: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL Final Surface Location: Rig Name: patterson 12 Type: DEVELOPMENT Start Date: 12/13/2006 Spud Dt.: 1/6/2007 Event DRILL AFE No.: 0700217 Authorized Days: Engineer: RICHARD HOWELL Supervisor: SCOTT SEELY W1: 100% Authorized MD/TVD: 8,800 Active Datum: GL @5,106.0ft (GROUND Ground Elev.: 5,108.00 LAST CASING MUD WEIGHT HOLE SIZE CURRENT DEPTH MD(ft) TVD(ft) 24 Hr. Progress MO LOTIEMWI 3.305.0(ft) 3,356.00 3,166.95 475.0(ft) 9.00(ppg) 9-5/8(\*) 3.505.0(ft) (ppg) NEXT CASING FORMATION/TARGET NAME MD TOP (ft) TVD TOP (II) TVD WASATCH SIZE MD 5-1/2(\*) 8,840.0(ft) 8.600.0(ft) MESAVERDE DRILL F/2881' T/3007' DROPPING ANGLE Well Costs (\$) Daily Detail: RIG SERVICE AFE Actual DRILL F/3007' T/3356' DROPPING ANGLE 38,360.00 Daily Cost 362 148 00 1,625,439.00 Cumulative Total Report Date: 4/7:22007 Rpt No.: 9 DOL:8 DFS: 7 WHI: RBU 30-18F API: 430473856700 UWI: SEC 18-105-20E, SHL 897' FSL & 2023' FWL Operator: DOMINION EXPLORATION & PRODUCTION INC Final Surface Location Rig Name: patterson 12 Spud Dt.: 1/6/2007 Type: DEVELOPMENT Event DRILL Start Date: 12/13/2006 Authorized Days: AFE No.: 0700217 Supervisor: SCOTT SEELY Engineer: RICHARD HOWELL Ground Elev.: 5,108.00 W: 100% Authorized MD/TVD: 8.600 Active Datum: GL @5,108.0ft (GROUND LAST CASING HOLE SIZE MUD WEIGHT CURRENT DEPTH 24 Hr. Progress LOT(EMW) MD(ft) 3,358.66 190.0(ft) 9-5/8(\*) 3,505.0(ft) 3,305.0(ft) (ppg) 3,546.00 9.00(ppg) NEXT CASING FORMATION/TARGET NAME MID TOP (ft) TVD TOP (ft) TVD SIZE MD WASATCH 8,600.0(ft) 5-1/2(\*) 8,840.0(ft) MESAVERDE Daily Detail: DRILL F/3356' T/3515' Well Costs (\$) RIG SERVICE Actual

DRILL F/3515' T/3546' TRIP OUT

LAY DOWN 8" TOOLS

RAN 81 JTS. 9 5/8" 36# J-55 WITH FLOAT SHOE & COLLAR TOTAL 3523'

WAIT ON CIRC. EQ. FROM HALLIBURTON

RECEIVED **APR 1** 1 2007

Daily Cost

Cumulative Total

## **FACSIMILE COVER PAGE**

Sent:

Subject :

To: Utah Division of Oil, Gas & Mining

4/18/2007 at 4:32:08 PM

**RBU 30-18F** 

TIOS AROF S-18

From:

Pages:

4 (including Cover)

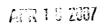
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COMPLEXANT

PROMINED AFR 1 8 2007

DIM OF OIL, CAS & MINING

								Page 1 of 3	
		DEP	l Well Opera	ations Chro	nology Rep	ort			
						HER. II	Report Date: 471	2002	
Well: RBU 30-18F		API: 430473986700		Ript No. 13	DOL: 12	OFS: 11		·	
	PLORATION & PRODUCT	TION INC	<del></del>	UWI: SEC 18-10S-208 Final Surface Location		3 FVVL			
Rig Name: patterson 12		Ou + Date: 12/12/2008		Spud Dt.: 1/6/2007		Type: DEVELOPMENT			
Event DRILL		Start Date: 12/13/2006 Engineer: RICHARD HOW	=	AFE No.: 0700217		Authorized Days:	,		
Supervisor: SCOTT SEEL		Ground Elev: 5,106.00		W:		Authorized MD/TVD: 8,600			
Active Datum: GL@5,1 LEVEL)	U6.Uff (GROUND	Ground Elev 5,106.00				Additionated Mean very condition			
	CURRENT DEP	TH .	HOLE SIZE	MUD WEIGHT		LAST	:Asing		
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
7,155.00	6,962.39	1,492.0(ft)	7-7/8(*)	8.70(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)	
			<u> </u>	- TAB (6)	TAN TAN PR		NEXT CASING		
WASATCH	FORMATION/T	ARGEINAME		MD TOP (ft)	TVD TOP (II)	SIZE	MD	TVD	
MESAVERDE				l		5-1/2(")	8,840.0(ft)	8,600.0(ft)	
				<u> </u>	·				
WORK	F/5663' T/5726' ( ON PUMPS F/5726' T/6330'						Well Costs (\$)  AFE	Actual	
RIG SI	ERVICE					Daily Cost		36,295.00	
	EY @ 6240' 2 DEG. 23 F/6330' T/7155'	0 AZ				Cumulative Total	1,625,439 00	621,321.00	
	770000 177100			Rpt No.: 14	DOL: 13	DFS:12	Report Date: 4/12	/2007	
Well RBU 30-18F	DI COATION & BEODING	API: 430473886700		UW: SEC 18-10S-208					
	PLORATION & PRODUCT	TION INC		Final Surface Location					
Rig Name: patterson 12		Start Date: 12/13/2006	<del></del>	Spud Dt.: 1/8/2007		Type: DEVELOPMENT			
Event DRILL		Engineer: RICHARD HOW		AFE No.: 0700217		Authorized Days:			
Supervisor: SCOTT SEEL				W:	. 1	Authorized MD/TVD: 8,600		<del></del>	
Active Datum: GL@5,1 LEVEL)	UO.UT (GROUND	Ground Elev.: 5,106.00		VVI.		ACTIONIZED WIDST V.D. 0,000			
	CURRENT DEP	TH .	HOLE SIZE	MUD WEIGHT		LAST	ASING		
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
7,874.00	7,881.05	719.0 (ft)	7-7/8(*)	8.70(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)	
7,874.00		<u> </u>	7-7/8(*)			8,642.0(ft)	8,447.0(ft)  NEXT:CASING	(ppg)	
7,874.00 WASATCH	7,881.05	<u> </u>	7-7/9(*)	8.70(ppg)	5-1/2(*) TVO TOP (TO	8,642.0(ft) SIZE		(ppg)	
WASATCH		<u> </u>	7-7/8(*)				NEXT CASING		
WASATCH MESAVERDE	FORMATION/I	<u> </u>	7-7/8(*)			SIZE	MD 8,840.0(ħ)	TVD	
WASATCH MESAVERDE  Daily Detail: DRILL		ARG-16NAN-98	7-7/8(*)			SIZE	NEXT CASING MD 8,840.0(h)	TVD 8,600.0(h)	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI	FORMATION (1)	ARG-16NAN-98	7-7/8(*)			SIZE 5-1/2(*)	MD 8,840.0(ħ)	TVD 8,600 0(ft)	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI	F/7 155' T/7 408' EY @7336' 2 Deg. 22	ARG-16NAN-98	7-7/8(*)			SIZE 5-1/2(*) Daily Cost	NEXT CASING MD 8,940 0(ft)  Well Costs (\$) AFE	TVD 8,600 0(h) Actual 37,970.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI	F/7 155' T/7 408' EY @7336' 2 Deg. 22	ARG-16NAN-98	7-7/8(*)			SIZE 5-1/2(*)	NEXT CASING MD 8,940.0(t)  Well Costs (\$) AFE  1,825,439.00	TVD 8,600.0(ħ) Actual 37,970.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI	F/7 155' T/7 408' EY @7336' 2 Deg. 22	ARG-16NAN-98	7-7/8(*)			SIZE 5-1/2(*) Daily Cost	NEXT CASING MD 8,940 0(ft)  Well Costs (5) AFE	TVD 8,600.0(h) Actual 37,979.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVIDERILL  WANTERBU 30/18F	F/7 155' T/7 408' EY @7336' 2 Deg. 22	ARGETINAME	7-7/8(*)	MO: TOP: (ft)	DOL: 14	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS: 13	NEXT CASING MD 8,940.0(t)  Well Costs (\$) AFE  1,825,439.00	TVD 8,600.0(h) Actual 37,979.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVIDERILL  WANTERBU 30/18F	F/7155' T/7408' EY @7336' 2 Deg. 220 F/7408' T/7874'	ARGETINAME	7-7/8(*)	MO: TOP: (ft)	DOL: 14	SIZE 5-1/2(*)  Daily Cost Cumulative Total DFS: (3)	NEXT CASING MD 8,940.0(t)  Well Costs (\$) AFE  1,825,439.00	TVD 8,600.0(h) Actual 37,979.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI DRILL  Well: RBU 30 /18F. Operator: DOMINION EX	F/7155' T/7408' EY @7336' 2 Deg. 220 F/7408' T/7874'	ARGETINAME	7-7/8(*)	ND: TOP: (ft)  Ript No: -16  UW: SEC 18-105-200	DOL: 14	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS: 13	NEXT CASING MD 8,940.0(t)  Well Costs (\$) AFE  1,825,439.00	TVD 8,600.0(h) Actual 37,979.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI DRILL  Well: RBU:30/16F Operator: DOMINION EX Rig Name: patterson 12	F/7155' T/7408' EY @7336' 2 Deg. 220 F/7408' T/7874'	ARGET NAME  D Az  APR: 430473956700		Riph: No.::16  UWI: SEC 18-10S-206  Final Surface Location	DOL: 14	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS: 13 3' FWL  Type: DEVELOPMENT  Authorized Days:	NEXT CASING MD 8,940.0(t)  Well Costs (5) AFE  1,825,439.00  Respect Date: 473	TVD 8,600.0(h) Actual 37,979.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI DRILL  Well: RBU 30/46F  Operator: DOMINION EX Rig Name: patterson 12  Event DRILL	F/T155' T/T408' EY @7336' 2 Deg. 220 F/T408' T/7874'  PLORATION & PRODUC'	ARGET NAME  D Az  API: 430473866700  FION INC  Start Date: 12/13/2008	ELL	Ript No.:-16  UW: SEC 18-105-200 Final Surface Location Spud Dt.: 1/8/2007	DOL: 14	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS: 13: 3' FWL.  Type: DEVELOPMENT	MEXT CASING MD 8,840.0(t)  Well Costs (\$) AFE  1,825,439.00  Report Date: 4713	TVD 8,600 0(ft) Actual 37,970.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI DRILL  Well: RBU 30/46F  Operator: DOMINION EX Rig Name patterson 12  Event. DRILL Supervisor: SCOTT SEEL Active Datum: GL @5.1	F/7155' T/7408' EY @7336' 2 Deg. 220 F/7408' T/7874'  PLORATION & PRODUC'  Y 08.0h (GROUND	ARGET NAME  DAZ  ARI: 430473855700  TION INC  Start Date: 12/13/2006  Engineer: RICHARD HOME	ELL	Rept. No.: 16- UWI: SEC 18-109-200 Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217	DOL: 14	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS: (3) 3' FWL  Type: DEVELOPMENT  Authorized MD/TVD: 8,800	MEXT CASING MD 8,840.0(t)  Well Costs (\$) AFE  1,825,439.00  Report Date: 4713	TVD 8,600.0(h) Actual 37,979.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI DRILL  Well: RBU 30 def Operator: DOMINION EX Rig Name patterson 12 Event DRILL Supervisor: SCOTT SEEL Active Datum: GL@6.1 LEVEL)	F/7155' T/7408' EY @7336' 2 Deg. 220 F/7408' T/7874'  PLORATION & PRODUC'  Y 08.0h (GROUND	ARGET NAME  DAZ  API: 430473986700  FION INC  Start Date: 12/13/2006  Engineer: RICHARD HOME  Ground Elev:: 5,106.00	ELL	Rpt No: 16  UW: SEC 18-105-200 Final Surface Location Spud Dt: 1/8/2007 AFE No.: 0700217 Wi:	DOL: 14	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS: (3) 3' FWL  Type: DEVELOPMENT  Authorized MD/TVD: 8,800	NEXT CASING MD 8,940.0(t)  Well Costs (5) AFE  1,825.439.00  Report Date: 4713	TVD 8,600 0(ft) Actual 37,970.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI DRILL  Well: RBU 30/48F Operator. DOMINION EX Rig Name patterson 12 Event. DRILL Supervisor. SCOTT SEEL Active Datum: GL (35.1) LEVEL)	FORMATION/T  F// 155' T//408' EY @7336' 2 Deg. 220 F//408' T//874'  PLORATION & PRODUCT  Y  CURRENT DEP	ARGET NAME  D AZ  API: 430473956700  FION INC  Start Date: 12/13/2006  Engineer: RICHARD HOME  Ground Elev:: 5,106.00	ELL	Rpt No: 16  UW: SEC 18-105-200 Final Surface Location Spud Dt: 1/8/2007 AFE No.: 0700217 Wi:	DOL::14 E, SHL 897' FSL & 202	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS::13. 3' FWL  Type: DEVELOPMENT  Authorized Days: Authorized MD/TVD: 8,800	NEXT CASING MD 8,940.0(ft)  Well Costs (\$) AFE  1,825,439.00  Report Date: 473	TVD 8,600.0(h) Actual 37,970.00 659,291.00	
WASATCH MESAVERDE  Daily Detail: DRILL SURVIDRILL  WASATCH  SURVIDRILL  WASATCH SURVIDRILL  SURVIDRILL  Operator. DOMINION EX Rig Name patterson 12 Event DRILL  Supervisor. SCOTT SEEL  Active Datum GL@6.1 LEVEL)	FORMATION/T  F//155' T//408' EY @7336' 2 Deg. 220 F//408' T//874'  PLORATION & PRODUC'  Y  08.0ft (GROUND  CURRENT: DEP  TVD(ft)  8,321.82	ARGET NAME  DAZ  ARI: 430473856700  FION INC  Start Date: 12/13/2006  Engineer: RICHARD HOME  Ground Elev:: 5,106.00  TH  24 Hr. Progress  641.0(ft)	HOLE SIZE	Rept. Not.: 16- UWI: SEC 18-109-200 Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 WI: MUD WEIGHT 8.70(ppg)	DOL: 14 200	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS::13 3' FVA.  Type: DEVELOPMENT  Authorized Days:  Authorized MD/TVD: 8,800	NEXT CASING MD 8,940.0(t) Well Costs (5) AFE 1,825,439.00 Report Date: 47/3	TVD 8,600.0(n)  Actual 37,970.00 659,291.00  22007	
WASATCH MESAVERDE  Daily Detail: DRILL SURVI DRILL  Well: RBU 30 18F Operator. DOMINION EX Rig Name patterson 12 Event: DRILL Supervisor. SCOTT SEEL Active Datum: GL @6,1 LEVEL)  MD(ft) 8,515.00	FORMATION/T  F//155' T//408' EY @7336' 2 Deg. 220 F//408' T//874'  PLORATION & PRODUC'  Y  08.0ft (GROUND  CURRENT: DEP  TVD(ft)  8,321.82	ARGET NAME  DAZ  APH: 430473956700  TON INC  Start Date: 12/13/2006  Engineer: RICHARD HOME  Ground Elev:: 5,106.00  TH: 24 Hr. Progress	HOLE SIZE	Ript No.: 16  UW: SEC 18-105-208 Final Surface Location Spud Dt.: 1/8/2007  AFE No.: 0700217 W:  NUD: WEIGHT	DOL: 14.	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS::13 3' FVA.  Type: DEVELOPMENT  Authorized Days:  Authorized MD/TVD: 8,800	NEXT CASING MD 8,940.0(t)  Well Costs (\$) AFE  1,825,439.00  Report Date: 473	TVD 8,600.0(n)  Actual 37,970.00 659,291.00  22007	
WASATCH  MESAVERDE  Daily Detail: DRILL  SURVI DRILL  WAII: RBU 30 /18F  Operator. DOMINION EX Rig Name patterson 12  Event. DRILL  Supervisor. SCOTT SEEL  Active Datum: GL@5,1 LEVEL)  MD(ft)  8,515.00	FORMATION/T  F//155' T//408' EY @7336' 2 Deg. 220 F//408' T//874'  PLORATION & PRODUC'  Y  08.0ft (GROUND  CURRENT: DEP  TVD(ft)  8,321.82	ARGET NAME  DAZ  ARI: 430473856700  FION INC  Start Date: 12/13/2006  Engineer: RICHARD HOME  Ground Elev:: 5,106.00  TH  24 Hr. Progress  641.0(ft)	HOLE SIZE	Rept. Not.: 16- UWI: SEC 18-109-200 Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 WI: MUD WEIGHT 8.70(ppg)	DOL: 14 200	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS::(13) 3' FVL.  Type: DEVELOPMENT  Authorized Days: Authorized MD/TVD: 8,800  LAST: MD  8,842.0(t)	NEXT CASING MD 8,940.0(t)  Well Costs (\$) AFE  1,825,439.00  Resport Date: 4733  CASING TVD 9,447.0(t)  NEXT CASING	TVD 8,600.0(ħ)  Actual 37,970.00 659,291.00  2007;  LOT(EMW) (ppg)	
WASATCH MESAVERDE  Daily Detail: DRILL SURVIDRILL  Well: RBU 30/18F Operator: DOMINION EX Rig Name patterson 12 Event DRILL Supervisor: SCOTT SEE Active Datum: GL @6.1 LEVEL.)  MD(ft) 8,515.00  WASATCH MESAVERDE	F/7155' T/7408' EY @7336' 2 Deg. 220 F/7408' T/7874'  PLORATION & PRODUCT  Y  08.0ft (GROUND  CURRENT DEP  TVD(ft)  8,321.82	ARGET NAME  DAZ  ARI: 430473856700  FION INC  Start Date: 12/13/2006  Engineer: RICHARD HOME  Ground Elev:: 5,106.00  TH  24 Hr. Progress  641.0(ft)	HOLE SIZE	Rept. Not.: 16- UWI: SEC 18-109-200 Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 WI: MUD WEIGHT 8.70(ppg)	DOL: 14 200	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS 13 3' FWL  Type: DEVELOPMENT  Authorized Days: Authorized MD/TVD: 8,800  B,842.0(t)  SIZE	NEXT CASING MD 8,840.0(t) Well Costs (5) AFE 1,825,439.00 Report Date: 47/3  ASING TVD 8,447.0(t) NEXT CASING MD 6,840.0(t)	TVD 8,600.0(ħ)  Actual 37,970.00 659,291.00  LOT(EMW) (ppg)	
WASATCH  MESAVERDE  Daily Detail: DRILL  SURVIDERILL  Operator: DOMINION EX Rig Name patterson 12  Event DRILL  Supervisor: SCOTT SEEL  Active Datum: GL@6.1  LEVEL)  MD(ft)  8,515.00  WASATCH  MESAVERDE  Daily Detail: DRILL	F/7155' T/7408' EY @7336' 2 Deg. 220 F/7408' T/7874'  PLORATION & PRODUCT  Y  08.0ft (GROUND  CURRENT DEP  TVD(ft)  8,321.82	ARGET NAME  DAZ  ARI: 430473856700  FION INC  Start Date: 12/13/2006  Engineer: RICHARD HOME  Ground Elev:: 5,106.00  TH  24 Hr. Progress  641.0(ft)	HOLE SIZE	Rept. Not.: 16- UWI: SEC 18-109-200 Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 WI: MUD WEIGHT 8.70(ppg)	DOL: 14 200	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS 13 3' FWL  Type: DEVELOPMENT  Authorized Days: Authorized MD/TVD: 8,800  B,842.0(t)  SIZE	NEXT CASING MD 8,840.0(t) Well Costs (5) AFE 1,825,439.00 Report Date: 4713  CASING TVD 8,447.0(t) NEXT CASING MD 6,840.0(t) Well Costs (5)	TVD 8,600.0(t)  Actual 37,970.00 659,291.00  //2007  LOT(EMW) (ppg)  TVD 9,600.0(t)	
WASATCH  MESAVERDE  Daily Detail: DRILL  SURVI DRILL  DOPERATOR DOMINION EX Rig Name patterson 12  Event DRILL  Supervisor. SCOTT SEEL  Active Datum: GL@5,1  LEVEL)  MD(R)  8,515.00  WASATCH  MESAVERDE  Daily Detail: DRILL RIG SE	F/7874' T/8133'  F/7874' T/8133'	ARGET NAME  DAZ  ARI: 430473856700  FION INC  Start Date: 12/13/2006  Engineer: RICHARD HOME  Ground Elev:: 5,106.00  TH  24 Hr. Progress  641.0(ft)	HOLE SIZE	Rept. Not.: 16- UWI: SEC 18-109-200 Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 WI: MUD WEIGHT 8.70(ppg)	DOL: 14 200	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS 13. 3' FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,800  MD 8,842.0(t)  SIZE 5-1/2(*)	NEXT CASING MD 8,840.0(t) Well Costs (5) AFE 1,825,439.00 Report Date: 47/3  ASING TVD 8,447.0(t) NEXT CASING MD 6,840.0(t)	TVD 8,600.0(ħ)  Actual 37,870.00 859,291.00  22007)  LOT(EMW) (ppg)  TVD 9,600.0(ħ)	
WASATCH  MESAVERDE  Daily Detail: DRILL  SURVI DRILL  DOPERATOR DOMINION EX Rig Name patterson 12  Event DRILL  Supervisor. SCOTT SEEL  Active Datum: GL@5,1  LEVEL)  MD(R)  8,515.00  WASATCH  MESAVERDE  Daily Detail: DRILL RIG SE	F/7874' T/8133' E/7155' T/7408' E/Y @7336' 2 Deg. 220' F/7408' T/7874'  PLORATION & PRODUC'  CURRENT DEP  TVO(t)  8,321.82	ARGET NAME  DAZ  ARI: 430473856700  FION INC  Start Date: 12/13/2006  Engineer: RICHARD HOME  Ground Elev:: 5,106.00  TH  24 Hr. Progress  641.0(ft)	FLL  HOLE: SIZE  7-7/8(*)	Rept. Not.: 16- UWI: SEC 18-109-200 Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 WI: MUD WEIGHT 8.70(ppg)	DOL: 14 200	SIZE 5-1/2(*)  Daily Cost  Cumulative Total  DFS 13 3' FWL  Type: DEVELOPMENT  Authorized Days: Authorized MD/TVD: 8,800  B,842.0(t)  SIZE	NEXT CASING MD 8,840.0(t) Well Costs (5) AFE 1,825,439.00 Report Date: 4713  CASING TVD 8,447.0(t) NEXT CASING MD 6,840.0(t) Well Costs (5)	TVD 8,600.0(t)  Actual 37,970.00 659,291.00  //2007  LOT(EMW) (ppg)  TVD 9,600.0(t)	





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Well: RBU 3048F		API: 430473856700		Rpt No. 13	DOL: 12	DFS: 11	Report Date: 4/1:	172007	
Operator: DOMINION EX	KPLORATION & PRODUCT	TION INC	Section and the section of the secti	UW: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL					
Rig Name: patterson 12				Final Surface Location	n:				
Event: DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007 Type: DEVELOPMENT					
Supervisor: SCOTT SEE	LY	Engineer: RICHARD HOW	ELL	AFE No.: 0700217 Authorized Days:					
Active Datum: GL@5, LEVEL)		Ground Elev.: 5,108.00		Wt:		Authorized MD/TVD: 8,60	0		
	CURRENT DEP	TH	HOLE SIZE	MUD WEIGHT		LAST	CASING		
MD(ft)	T∨D(ft)	24 Hr. Progress			SIZE	MĐ	TVD	LOT(EMW)	
7,155.00	6,962.39	1,492.0(ft)	7-7/8(*)	8.70(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)	
	FORMATION/T	ARGET NAME		MD TOP (ft)	TVD TOP (ft)		NEXT CASING		
WASATCH						SIZE	MD	TVD	
MESAVERDE				† · · · · · · · · · · · · · · · · · · ·		5-1/2(*)	8,840.0(ft)	8,600.0(ft)	
Daily Detail: DRILL F/5663' T/5726'							Well Costs (\$)		
WORK	K ON PUMPS						AFE	Actual	
	_ F/5726' T/6330' ERVICE					Daily Cost	~ <del>-</del>	36,295.00	
SURV	/EY @ 6240' 2 DEG. 23	30 AZ				Cumulative Total	1,825,439.00	621,321.00	
DRILL	_ F/6330' T/7155'		1000-221-22-29-29-29-29-29-29-29-29-29-29-29-29-	***************************************					
Well: RBU 30-18F API: 430473856700				Rpt No.:14	DOL: 13	DFS:12	Report Date: 4/12	2/2007	
Operator: DOMINION EX	(PLORATION & PRODUCT	TION INC		UWI: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL					
Rig Name: patterson 12				Final Surface Location:					
Event DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007		Type: DEVELOPMENT			
Supervisor: SCOTT SEE	LY	Engineer: RICHARD HOWE	<u> ELL</u>	AFE No.: 0700217		Authorized Days:			
Active Datum: GL@5,: LEVEL)	106.0ft (GROUND	Ground Elev.: 5,106.00		WI:		Authorized MD/TVD: 8,60	0		
	CURRENT DEP	TH .	HOLE SIZE	MUD WEIGHT		LAST	CASING		
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
7,874.00	7,681.05	719.0(ft)	7-7/8(*)	8.70(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)	
	FORMATION/T	L ASSET NAME		MD TOP (ft)	TVD TOP (ft)		NEXT CASING		
WASATCH	FOR THE STATE OF T	ARCEIIIIAM				SIZE	MD	TVD	
MESAVERDE				<del>                                     </del>		5-1/2(*)	8,840.0(ft)	8,600.0(ft)	
				<u> </u>					
•	. F/1155' T/7408' 'EY @7336' 2 Deg. 220	0 Az			ļ		Well Costs (\$)  AFE	Actual	
	. F/7408' T/7874'				ļ		AFE		
						Daily Cost	4 227 420 00	37,970.00	
						Cumulative Total	1,825,439.00	659,291.00	
Well: RBU 30/18F		API: 430473956700		Rpt No.:15	DOL: 14	DFS: 13	Report Date: 4/13	1/2007	
Operator: DOMINION EX	PLORATION & PRODUCT	TON INC		UW: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL					
Rig Name: patterson 12				Final Surface Location	I.				
Event: DRILL		Start Date: 12/13/2006		Spud Dt.: 1/8/2007 Type: DEVELOPMENT					
Supervisor: SCOTT SEE	LY	Engineer: RICHARD HOWE	ĒLL	AFE No.: 0700217 Authorized Days:					
Active Datum: GL @5,1 LEVEL)	108.0ft (GROUND	Ground Elev.: 5,106.00		WI:		Authorized MD/TVD: 8,800	)		
	CURRENT DEPT	TH	HOLE SIZE	MUD WEIGHT		LAST	CASING		
MD(ft)	T√D(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
8,515.00	8,321.82	641.0(ft)	7-7/8(*)	8.70(ppg)	5-1/2(°)	8,642.0(ft)	8,447.0(ft)	(ppg)	
	FORMATION/T/	ABCET NAME		MD TOP (ft)	TVD TOP (ft)		NEXT CASING		
WASATCH	PORING HOLD.	ARVEINAME			AND THE PARTY OF T	SIZE	MD	₹VD	
MESAVERDE		-		<del>                                     </del>		5-1/2(*)	8,840.0(ft)	8,600.0(ft)	
	5 70741 T/04221			<del></del>					
RIG S	. F/7874' T/8133' ERVICE . F/8133' T/8515'						Well Costs (\$)  AFE	Actual	
			m > 111 - 621		1	Daily Cost		37,970.00	
				ENTO.	,	Cumulative Total	1,625,439.00	697,261.00	

AFR 1 9 2007

								Page 2 of 3	
		DEP	l Well Oper	ations Chro	nology Re	port			
Well: RBU 30/18F		API: 4304/3855700		Rpt No. 16	DOL: 16	DFS:14	Report Date: 4714	/2007	
Operator: DOMINION E	(PLORATION & PRODUC	TION INC		UW: SEC 18-105-20	E, SHL 897 FSL & 20	23' FWL	ou entrecolorie and alternative		
Rig Name: patterson 12				Final Surface Locatio	n:				
Event DRILL		Start Date: 12/13/2006		Spud Dt: 1/8/2007 Type: DEVELOPMENT					
Supervisor: SCOTT SEE	ELY	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
Active Datum: GL@5, LEVEL)		Ground Elev.: 5,108.00		WI:		Authorized MD/TVD: 8,6	00		
			HOLE SIZE	MUD WEIGHT		LAST			
MD(ft)	TVD(ft)	24 Hr. Progress	7.700(1)	0.00/	SIZE	MD	TVD 8,447.0(ft)	LOT(EMW)	
8,846.00	8,452.75	131.0(ft)	7-7/8(*)	9.00(ppg)	5-1/2(*)	8,642.0(ft)		(ppg)	
	FORMATION/	ARGET NAME		MD TOP (ft)	TVD TOP (TI)	SIZE	MEXT CASING	TVD	
WASATCH						5-1/2(*)	8,840.0(ft)	8,600.0(ft)	
MESAVERDE				<u> </u>	<u> </u>	3-72()	1 0,040.5(12)	0,000.0(1)	
Daily Detail: DRILL F/8515' T/8645' CIRC. AND COND. FOR ŁOGS							Well Costs (\$)	Actual	
	TRIP OUT TO LOG ( NO TIGHT HOLE )			ET DOWN @ 6130'			AFE	68.172.00	
RIG UP BAKER & RAN TRIPLE COMB. LOGGERS T.D. 8645' SONIC S TRIP IN TO CLEAN OUT BRIDGE @ 6130' & COND. HOLE				_1 DO 1111 @ 0130		Daily Cost	1,625,439.00	765.433.00	
					and the state of t	Cumulative Total	1,023,438.00	700,400.00	
Well: RBU 30/18F		API: 430473855700		Ript No : 17	DOL: 16	DFS: 15	Report Date: 4715	/2007.	
Operator: DOMINION EX	(PLORATION & PRODUC	TION INC		UWI: SEC 18-105-20	E, SHL 897' FSL & 20	23' FWL			
Rig Name: patterson 12				Final Surface Locatio	n:				
Event DRILL	Event DRILL Start Date: 12/13/2006			Spud Dt.: 1/6/2007		Type: DEVELOPMENT			
Supervisor: SCOTT SEE	LY	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
Active Datum: GL@5, LEVEL)	106.0ft (GROUND	Ground Elev.: 5,108.00		WI:		Authorized MD/TVD: 8,6	00		
	CURRENT DEP	TH	HOLE SIZE	MUD WEIGHT		LAST	CASING		
MD(ft)	T∨D(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
8,646.00	8,452.75	0.0(ft)	7-7/8(*)	9.00(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)	
	FORMATION/T	ARGET NAME		MD:TOP:(ft)	TVD TOP (T)		NEXT CASING		
WASATCH						SIZE	MD	TVD	
MESAVERDE						5-1/2(")	8,840.0( <del>ft</del> )	8,600.0(ft)	
Daily Detail: TRIP	AND TAG BRIDGE @	6130' - WASH 30' THRU	BRIDGE				Well Costs (\$)		
STAN	D DOWN DERRICK HA						AFE	Actual	
	N T/8542' I & REAM F/8542' 8646	5'				Dally Cost		77,628.00	
CIRC.	& COND. FOR LOGS					Cumulative Total	1,825,439.00	843,061.00	
RAN D	OUT TO LOG PIPOLE SONIC WITH I					Camara TV TV			
	N TO LAY DOWN D.P & COND. TO LAY DO								
Well: RBU 30:48F		API: 430473856700		Rpt No.:18	DOL: 17	DF\$:16	Report Date: 476	2007	
Operator: DOMINION EX	PLORATION & PRODUC	TION INC		UWI: SEC 18-105-20	E, SHL 897' FSL & 20	23' FWL			
Rig Name: patterson 12		19-4		Final Surface Location	n:				
Event DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007		Type: DEVELOPMENT			
Supervisor: SCOTT SEE	LY	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
Active Datum: GL@5,1	06.0ft (GROUND	Ground Elev.: 5,106.00		WI:		Authorized MD/TVD: 8,600			
	CURRENT DEP	TH	HOLE SIZE	MUD WEIGHT		LAST	CASING		
MD(ft)	T∨D(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
8,646.00	8,452.75	0.0(ft)		9.00(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)	
	FORMATION/T	ARGET NAME		MD TOP (ft)	TVD TOP (m)		NEXT CASING		
WASATCH						SIZE	MD	מעד	
MESAVERDE				10.4		5-1/2(*)	8,840.0(ft)	8,600.0(ft)	
•	OWN D.P & D.C.						Well Costs (5)		
	WEAR RING	80WITH FLOAT SHOE &	FLOAT COLL AD TO	OTAL 8642'			AFE	Actual	
CIRC.	& COND. FOR CMT.					Daily Cost		190,853.00	
		PUMPED 20BBL WATER 80 SK HLC-TYPE 5 WT.			. WITH	Cumulative Total	1,825,439.00	1,033,914.00	
199 BE	BL 2% KCL - PLUG BU	MPED FLOATS HELD -	HAD GOOD RET. T	HRU OUT JOB		EIVED			
RIG D	OWN CLEAN MUD TA	NKS PREPARE TO MOV	/E TO RBU 27-18 F		الاصطلابين الأ	LIVELU			

Well: RBU 30/48F		API: 430473856700		Rpt No. 19	DOL: 18	DFS::17	Report Date: 4/17/2	007	
Operator: DOMINION EX	(PLORATION & PRODU	CTION INC		UWI: SEC 18-105-208	, SHL 897' FSL & 20:	23' FWL			
Rig Name: patterson 12				Final Surface Location	K				
Event DRILL		Start Date: 12/13/2008		Spud Dt.: 1/8/2007		Type: DEVELOPMENT			
Supervisor: SCOTT SEE	LY	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
Active Datum: GL@5. LEVEL)	106.0ft (GROUND	Ground Elev.: 5,106.00		WI:		Authorized MD/TVD: 8	600		
	CURRENT DE	YTH .	HOLESZE	MUD WEIGHT		LAS	T CASING		
MD(ft)	T∨D(ft)	24 Hr. Progress			SIZE	MD	מעד	LOT(EMW)	
8,646.00	8,452.75	0.0(ft)	1	9.00(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)	
	FORMATION/	TARGET NAME		MD TOP (ft)	TVD TOP (ft)		NEXT CASING		
VASATCH						SIZE	MD	TVD	
IESAVERDE						5-1/2(*)	8,840.0(ft)	8,600.0(ft)	
Daily Detail: RIG D	OWN AND SKID TO	RBU 27-18 F ( RIG RELE	ASED @ 06:00 04/1	6/2007 )			Well Costs (\$)		
							AFE	Actual	
						Daily Cost		22,500.00	
						Cumulative Total	1,625,439.00	1,058,414.00	

DECEMBER NOON BEEN THAN Form 3160-5 (August, 1999)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires: November 30, 2000

Lease Serial No.

#### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

	U-013	793		
5	If Indian	Allottee or Tribe Name	 	

abandoned well. Use Form 3160-3 (APD) for such proposals.		,		
ran kangan kaling rang mangan kang mangan kang mangan kang kang mangan kang mangan kang mangan kang mangan kan	100	7. If Unit or	CA/Agreement, Name	and/or No.
1. Type of Well		River E	Bend Unit	
Oil Well X Gas Well Other	Tin.	8. Well Nam	e and No.	
2. Name of Operator	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RBU 3	0-18F	
Dominion Exploration & Production, Inc.		9. API Well	No.	
3a. Address 3b. Phone No. (inclu	de area code)	43-047	7-38557	
14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134 (405) 749-52	37	1	Pool, or Exploratory	Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)			l Buttes	
SHL: 897' FSL & 2023' FWL, SW SW, Sec. 18-10S-20E			or Parish, State	
BHL: 250' FSL & 2800' FWL, SE SW, Sec. 18-10S-20E		Uintah	, 01	
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF N	OTICE, REPO	ORT OR O	THER DATA	
TYPE OF SUBMISSION TYPE	OF ACTION			
Notice of Intent Acidize Deepen	Production (S	tart/Resume)	Water Shut-Off	
Altering Casing Fracture Treat	Reclamation		Well Integrity	
X Subsequent Report Casing Repair New Construction	Recomplete		X Other	
Change Plans Plug and Abandon	Temporarily A	bandon	Drilling O	perations
Final Abandonment Notice Convert to Injection Plug Back	Water Dispos	sposal		
Describe Proposed or Completed Operation (clearly state all pertinent details, including estimate If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations Attach the Bond under which the work will be performed or provide the Bond No. on file with following completion of the involved operations. If the operation results in a multiple completio testing has been completed. Final Abandonment Notices shall be filed only after all requirend determined that the site is ready for final inspection.)	and measured and BLM/BIA. Requing or recompletion	d true vertical ired subseque in a new inter	depths of all pertinent nt reports shall be filed val. a Form 3160-4 s	markers and zones. within 30 days hall be filed once
4/6/07 - Ran 81 jts 9-5/8", 36#, J-55, STC csg set @ 3523'.		450	. 4 45 . 11 70 51	
4/7/07 - Cmt lead w/400 sks HiFill V, 10.5 ppg, 4.14 yld. Tail w/255 4/15/07 - Ran 204 jts 5-1/2", 17#, M-80, STC csg set @ 8642'. Cm				
sks HLC-Type 5, 13.0 ppg, 1.75 yld. Good returns. Clean mud tan			v, 11.0 ppg, 0.1	2 yid. Tall 11/000
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	1			
Barbara Lester	Title	Regula	atory Specialist	
Signature PAINAIIA USB	Date	4/17/2	007	
CHEST THE STATE OF		JS1 (124)		
				The second secon
Approved by  Conditions of approval, if any are attached. Approval of this notice does not warrant or	Title			Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

certify that the applicant holds legal or equitable title to those rights in the subject lease

which would entitle the applicant to conduct operations thereon.

Office

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Date: 4/26/2007 Time: 5:25:28 PM

Page 1 of 2

**FACSIMILE COVER PAGE** 

To:

Sent:

Subject:

Utah Division of Oil, Gas & Mining

4/26/2007 at 3:13:18 PM

TIOS R 20E 5-18 **RBU 30-18F** 

From:

Pages:

2 (including Cover)

43-049-38559

RECEIVED APR 2 6 2007

Date: 4/26/2007 Time: 5:25:28 PM

		DEP	l Well Oper	ations Chro	nology Re	oort			
Well: RBU:30:48F		API: 430473866700		Rpt No. 18	DOL: 17	ors (6 Reportable Criszor)			
Operator DOMINION EX	PLORATION & PRODUC	TION INC		UWI: SEC 18-10S-200	E, SHL 897' FSL & 20:	23' FWL	CON BREAK SEZURION CONSUMBRIANCO		
Rig Name: patterson 12				Final Surface Location	n:				
Event DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007		Type: DEVELOPMENT			
Supervisor: SCOTT SEE	LY	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
Active Datum: GL@5, LEVEL)	tive Datum: GL@5,106.0ft (GROUND Ground Elev: 5,106.00 LEVEL)					Authorized MD/TVD: 8,0	600		
	CURRENT DEP	TH .	HOLE SIZE	MUD WEIGHT.		LAS'	T CASING		
MD(ft)	TVD(ft)	24 Hr. Progress	and the second section		SIZE	MD	TVD	LOT(EMW)	
8,646.00	7,915.75	0.0(ft)	1	9.00(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)	
FORMATION/TARGET NAME				MD TOP (R)	TVD TOP (ft)		NEXT CASING		
WASATCH	- CANCELLOID					SIZE	MD	TVD	
MESAVERDE		. 12.00				5-1/2(*)	8,840.0(ft)	8,600.0(ft)	
Daily Detail: LAY D	OWN D.P & D.C.								
PULL	WEAR RING	-80WITH FLOAT SHOE &	FLOAT COLLAR TO	OTAL 8642'			Well Costs (\$)  AFE	Actual	
PULL RAN 2 CIRC	WEAR RING 204 JTS: 5 1/2" 17# M- & COND. FOR CMT.	-80WITH FLOAT SHOE 8				Dally Cost		Actual 190,853.00	
PULL RAN 2 CIRC. CMT.	WEAR RING 204 JTS: 5 1/2" 17# M- & COND. FOR CMT. WITH HALLIBURTON	-80WITH FLOAT SHOE & PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT	R AHEAD OFLEAD	110 SK HI-FILL "V"	: WITH	Daily Cost Cumulative Total			
PULL RAN 1 CIRC. CMT. WY. 1 199 B	WEAR RING 204 JTS: 5 1/2" 17# M- & COND. FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL: BL 2% KCL -PLUG BI	PUMPED 20BBL WATE	R AHEAD OFLEAD . 13.0 YIELD 1.75 - D HAD GOOD RET. T	110 SK HI-FILL "V" DROP PLUG & DISP 'HRU OUT JOB	. WITH		AFE	190,853.00	
PULL RAN 2 CIRC. CMT. WY: 1 199 BI RIG D	WEAR RING 204 JTS: 5 1/2" 17# M- & COND. FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL: BL 2% KCL -PLUG BI	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD -	R AHEAD OFLEAD . 13.0 YIELD 1.75 - D HAD GOOD RET. T	110 SK HI-FILL "V" DROP PLUG & DISP 'HRU OUT JOB	WITH		AFE	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY. 1 199 B RIG D	WEAR RING 204 JTS: 5 1/2" 17# M- & COND. FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL: BL 2% KCL -PLUG BI	PUMPED 20BBL WATER 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD - ANKS PREPARE TO MO API: 430473856700	R AHEAD OFLEAD . 13.0 YIELD 1.75 - D HAD GOOD RET. T	110 SK HI-FILL "V" DROP PLUG & DISP HRU OUT JOB	DOL: 18	Cumulative Total	1,625,439 00	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY 1 199 BI RG D Well: RBU 30:49F	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BL OWN CLEAN MUD TA	PUMPED 20BBL WATER 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD - ANKS PREPARE TO MO API: 430473856700	R AHEAD OFLEAD . 13.0 YIELD 1.75 - D HAD GOOD RET. T	110 SK HI-FILL "V" DROP PLUG & DISP HRU OUT JOB Ret No::19	DOL: 18	Cumulative Total	1,625,439 00	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY. 1 199 BI RIG D Well: RBU \$0.49F  Operator: DOMINION EX Rig Name: patterson 12	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BL OWN CLEAN MUD TA	PUMPED 20BBL WATER 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD - ANKS PREPARE TO MO API: 430473856700	R AHEAD OFLEAD . 13.0 YIELD 1.75 - D HAD GOOD RET. T	110 SK HI-FILL "V" DROP PLUG & DISP HRU OUT JOB Rpt: No::19 UW: SEC 18-10S-20	DOL: 18	Cumulative Total	1,625,439 00	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY. 1 199 BI RIG D WILL: RBU 30/48F  Operator: DOMINION EX Rig Name: patterson 12  Event DRILL	WEAR RING 204 JTS 5 1/2" 17# M- & COND. FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BI OWN CLEAN MUD TA	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473855700	R AHEAD OFLEAD . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F	110 SK HI-FILL "V" DROP PLUG & DISP HRU OUT JOB Right No.: 19. UWI: SEC 18-105-206 Final Surface Location	DOL: 18	Cumulative Total DFS: 17	1,625,439 00	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY. 1 199 BI RIG D  WILL RBU-30/18F  Operator DOMINION Do  Rig Name: patterson 12 Event DRILL  Supervisor: SCOTT SEE	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. & WITH HALL IBURTON 1.6 YIELD 3,12 TAIL BL 2% KCL - PLUG BL OWN CLEAN MUD TA  CPLORATION & PRODUC	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473865700 Start Date: 12/13/2008	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F	110 SK HI-FILL "V" DROP PLUG & DISP HRU OUT JOB  Ript No:: 19: UWI: SEC 18-105-201 Final Surface Location Spud Dt:: 1/8/2007	DOL: 18	Cumulative Total  DES: 17  23' FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,0	AFE 1,825,439.00  Report Data: 4/17/2	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY. 1 199 BI RIG D Well: RBU \$0.49F Departor: DOMINION EX Rig Name: patterson 12 Event DRILL Supervisor: SCOTT SEE Active Datum: GL@6.	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. & COND, FOR CMT. WITH HALL IBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BL OWN CLEAN MUD TA  EPLORATION & PRODUC	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473865700 STION INC Start Date: 12/13/2006 Engineer: RICHARD HOW Ground Elev.: 5,106.00	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F	110 SK HI-FILL "V" DROP PLUG & DISP HRU OUT JOB  Ript No.: 19  UW: SEC 18-10S-201 Final Surface Location Spud Dt: 1/6/2007 AFE No.: 0700217	DOL: 18	Cumulative Total  DES: 17  23' FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,6	AFE 1,825,439.00  Report Data: 4/17/2	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY 1 199 B RIG D  WILL RBU 30 / 8F  Operator DOMINION EX Rig Name: patterson 12 Event DRILL Supervisor: SCOTT SEE Active Datum: GL @5. LEVEL)	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. & COND, FOR CMT. WITH HALL IBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BL OWN CLEAN MUD TA  EPLORATION & PRODUC	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 490473865700  STION INC  Start Date: 12/13/2008  Engineer: RICHARD HOW Ground Elev: 5,106.00	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F	110 SK HI-FILL "V" DROP PLUG & DISP HRU OUT JOB  Ript No.: 19  UWI: SEC 18-105-201 Final Surface Location Spud Dt: 1/6/2007 AFE No.: 0700217 Wi:	DOL: 18	Cumulative Total  DES: 17  23' FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,6	AFE 1,825,439.00  Report Data: 4/17/2	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY. 1 199 B RIG D WAIN RBU 30:48F Operator DOMINION Ex tig Name: patterson 12 Event: DRILL Supervisor: SCOTT SEE LEVEL)	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BI OWN CLEAN MUD T/ PLORATION & PRODUC	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473885700  TION INC  Start Date: 12/13/2006  Engineer: RICHARD HOW Ground Eley:: 5,106.00	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F	110 SK HI-FILL "V" DROP PLUG & DISP HRU OUT JOB  Ript No.: 19  UWI: SEC 18-105-201 Final Surface Location Spud Dt: 1/6/2007 AFE No.: 0700217 Wi:	DOL::18 E, SHL 897' FSL & 201	Cumulative Total  OPS: 17 23 FVVL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,8	AFE 1,825,439.00 Report Date: 4/17/2	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY 1 199 Bi RS D RS D Perator DOMINION Exits RS Name: patterson 12 Event DRILL Supervisor SCOTT SEE Active Datum: GL @6. LEVEL) MD(ft)	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. WITH HALL IBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BL OWN CLEAN MUD T/ CPLORATION & PRODUC  LY  CURRENT DE  TVD(ft)  7,915.75	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473855700 CTION INC  Start Date: 12/13/2006 Engineer: RICHARD HOW Ground Elev: 5,106.00	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F	110 SK HI-FILL "V" DROP PLUG & DISP HRU OUT JOB  Right No.: 19.  UWI: SEC 18-10S-20I Final Surface Location Spud Dt: 1/6/2007 AFE No.: 0700217 VM:  MUD WEIGHT.	DOL::18 E, SHL 897 FSL & 20:	Cumulative Total  DFS: 17  23 FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,6	AFE 1.625.439.00 1.625.439.00 2.600 2.600 2.700 2.600 2.700 2.600 2.700 2.600 2.700	190,853.00 1,033,914.00	
PULL RAN 2 CIRC CMT. WY 1 199 B RIG D  MAIN RBU 30 48F  Departor DOMINION E Rig Name: patterson 12 Event DRILL Supervisor: SCOTT SEE Active Datum: GL@6. LEVEL)  MD(ħ) 8,846.00	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. WITH HALL IBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BL OWN CLEAN MUD T/ CPLORATION & PRODUC  LY  CURRENT DE  TVD(ft)  7,915.75	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473865700  STION INC  Start Date: 12/13/2006  Engineer: RICHARD HOW Ground Elev:: 5,106.00  TH 24 Hr. Progress 0.0(ft)	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F	Right Not: 19 UW: SEC 18-105-201 Final Surface Location Spud Dt: 1/6/2007 AFE Not: 0700217 W: 9.00(ppg)	DOL::18 E, SHL 887' FSL & 200 X SIZE 5-1/2(*)	Cumulative Total  DES: 17  23' FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,8  MD  8,842.0(ft)	AFE	190,853.00 1,033,914.00	
PULL RAN 2 CIRC. CMT. WY. 1 199 Bi RS D. 30 48F  Operator: DOMINION Exits Rig Name: patterson 12 Event: DRILL Supervisor: SCOTT SEE Active Datum: GL @5. LEVEL)  MD(ft) 8,646.00	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. WITH HALL IBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BL OWN CLEAN MUD T/ CPLORATION & PRODUC  LY  CURRENT DE  TVD(ft)  7,915.75	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473865700  STION INC  Start Date: 12/13/2006  Engineer: RICHARD HOW Ground Elev:: 5,106.00  TH 24 Hr. Progress 0.0(ft)	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F	Right Not: 19 UW: SEC 18-105-201 Final Surface Location Spud Dt: 1/6/2007 AFE Not: 0700217 W: 9.00(ppg)	DOL: 18	Cumulative Total  DES: 17  23' FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,642.0(ft)	AFE	190,853.00 1,033,914.00 0007. LOT(EMW) (ppg)	
PULL RAN 2 CIRC CMT WY 1 199 BI RIG D WAII: RBU 30 48F Dperator: DOMINION EX Rig Name: patterson 12 Event: DRILL Supervisor: SCOTT SEE Active Datum: GL @5. LEVEL) MD(ft) 8,846.00	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BI OWN CLEAN MUD TO PLORATION & PRODUC  LY 106.0ft (GROUND  CURRENT DEP TVD(ft) 7,915.75	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473865700  STION INC  Start Date: 12/13/2006  Engineer: RICHARD HOW Ground Elev:: 5,106.00  TH 24 Hr. Progress 0.0(ft)	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F  ELL  HOLE SZE	RIDE NO: 19:  UWI: SEC 18-105-201 Final Surface Location Spud Dt: 1/8/2007 AFE No.: 0700217 WI:  MUD WEIGHT 9.00(ppg)	DOL: 18	Cumulative Total  DPS: 17  23 FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,8  MD  8,642.0(ft)	AFE  1.625,439 00  Report Date: 4/17/2  600  T CASING  TVD  8.447.0(t)  NEXT CASING  MD	190,853.00 1,033,914.00  0007  LOT(EMW) (ppg)	
PULL RAN 2 CIRC CMT WY 1 199 BI RIG D Well: RBU 30 48F  Operator: DOMINION Exits Rig Name: patterson 12 Event: DRILL  Supervisor: SCOTT SEE Active Datum: GL @5. LEVEL)  MD(ft) 8,846.00	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BI OWN CLEAN MUD TO PLORATION & PRODUC  LY 106.0ft (GROUND  CURRENT DEP TVD(ft) 7,915.75	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473855700 ETION INC  Start Date: 12/13/2006 Engineer: RICHARD HOW Ground Elev: 5,106 00  TH: 24 Hr. Progress 0.0(ft)	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F  ELL  HOLE SZE	RIDE NO: 19:  UWI: SEC 18-105-201 Final Surface Location Spud Dt: 1/8/2007 AFE No.: 0700217 WI:  MUD WEIGHT 9.00(ppg)	DOL: 18	Cumulative Total  DES: 17  23' FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,6  MD  8,642.0(t)  SIZE  5-1/2(*)	AFE  1,825,439.00  Report Date: 4/17/2  800  TCASING  TVD  8,447.0(t)  NEXT-CASING  MD  8,840.0(t)	190,853.00 1,033,914.00  0007  LOT(EMW) (ppg)	
PULL RAN 2 CIRC. CMT. WY 1 199 BI RK D Will: RBU 30-48F Operator: DOMINION EX Rig Name: patterson 12 Event: DRILL Supervisor: SCOTT SEE Active Datum: GL @5. LEVEL) MD(ft) B,646.00	WEAR RING 204 JTS, 5 1/2" 17# M- & COND, FOR CMT. WITH HALLIBURTON 1.6 YIELD 3.12 TAIL BL 2% KCL - PLUG BI OWN CLEAN MUD TO PLORATION & PRODUC  LY 106.0ft (GROUND  CURRENT DEP TVD(ft) 7,915.75	PUMPED 20BBL WATE 580 SK HLC-TYPE 5 WT UMPED FLOATS HELD- ANKS PREPARE TO MO API: 430473855700 ETION INC  Start Date: 12/13/2006 Engineer: RICHARD HOW Ground Elev: 5,106 00  TH: 24 Hr. Progress 0.0(ft)	R AHEAD OFLEAD  . 13.0 YIELD 1.75 - C HAD GOOD RET. T VE TO RBU 27-18 F  ELL  HOLE SZE	RIDE NO: 19:  UWI: SEC 18-105-201 Final Surface Location Spud Dt: 1/8/2007 AFE No.: 0700217 WI:  MUD WEIGHT 9.00(ppg)	DOL: 18	Cumulative Total  DES: 17  23' FWL  Type: DEVELOPMENT Authorized Days: Authorized MD/TVD: 8,6  MD  8,642.0(t)  SIZE  5-1/2(*)	AFE  1,825,439.00  Respect Date: 4/17/2  800  TCASING  TVD  8,447.0(n)  NEXT-CASING  MD  8,840.0(n)  Well-Coaks (\$)	190,853.00 1,033,914.00  LOT(EMW) (PP9)  TVD 8,600.0(t)	

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San San San Beer	a decimal deduction	partition of the same	7.4.1.整线 · 线线	10.591.3638	And the second section of the second	All and the second	Part State St.	258 - 25 - 25 - 25 - 25 - 25 - 25 - 25 -
Operator: DOMINION EXP	LORATION & PRODUC	TION INC		UWI: SEC 18-10S-20E		23' FWL		
Rig Name: patterson 12	<del></del>			Final Surface Location	:		- <del>(                                   </del>	OF THE
Event: DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007		Type: DEVELOPMENT		<u>                                     </u>
Supervisor: SCOTT SEEL	Y	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:		
Active Datum: GL @5,10 LEVEL)	·	Ground Elev.: 5,106.00		WI:	property and the Control of the Cont	Authorized MD/TVD: 8,600		
state of the state			HOLESIALS	ann ag leich		LAST	ASING	A CANADA
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
8,646.00	7,915.75	0.0(ft)		9.00(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)
	. Cronnalion	74.01 1477 E	e e	Fun tor ma	tymyce (n)	37.90	NEXT CASING	3 4 3 4 3
WASATCH	CRIME SCORE, AND A CREW COMMANDER.	6 212 / 901 t, t, a 1, a 1, a 1, a 1				SIZE	MD	TVD
MESAVERDE						5-1/2(*)	8,840.0(ft)	8,600.0(ft)
Daily Detail: RIG DO	OWN AND SKID TO F	RBU 27-18 F ( RIG RELE	ASED @ 06:00 04/1	6/2007 )			Well Costs (5)	
Jany Dollan.		•					AFE	Actual
						Daily Cost		22,500.00
						Cumulative Total	1,625,439.00	1,056,414.00

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18 m						an Line skores			
	An one of management and a		Court of Mary	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			17841	The strangers	
		al minima de la compania de la comp	· (4) (4) (4) (4) (4)	UWI: SEC 18-10S-20E,	SHL 897' FSL & 202	3' FWL	SECTION ASSESSMENT OF THE SECTION OF		
Operator: DOMINION EXP	LORATION & PRODUCTI	ION INC		Final Surface Location:					
Rig Name: patterson 12		Start Date: 12/13/2006		Spud Dt.: 1/6/2007		Type: DEVELOPMENT			
TOTAL DIVIDE			AFE No.: 0700217		Authorized Days:				
Supervisor: SCOTT SEEL' Active Datum: GL @5,10		Ground Elev.: 5,106.00		WI:		Authorized MD/TVD: 8,600			
LEVEL)	Salata and the salata sala		1011513745	MUEWEREE	74	LAST	ASING -	at experience	
ND(t)	TVD(ft)	24 Hr. Progress	Madalah sadalah Mada		SIZE	MD	TVD	LOT(EMW)	
MD(ft)		0.0(ft)		9.00(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)	
8,646.00	7,915.75	0.0(11)	Ten Marin Talan		TVD TOP (h)	1	NEXT CASING	en a de la companya d	
<u> </u>	FORMATIONIT	ARGETHANE .	<b>*</b>	MP TOP (f)		SIZE	MD MD	TVD	
WASATCH						5-1/2(*)	8,840.0(ft)	8,600.0(ft)	
MESAVERDE				L		THE PARTY NAMED AND PROPERTY. MATERIALS AND ADDRESS.			
DINI V	OWN D.P & D.C. VEAR RING						Welk Costs (S)	Actual	
RAN 20	04 JTS. 5 1/2" 17# M-8	80WITH FLOAT SHOE &	FLOAT COLLAR T	OTAL 8642'		Daily Cost	4.00	190,853.00	
CMT	S COND. FOR CMT. VITH HALLIBURTON I	PUMPED 20BBL WATER	AHEAD OFLEAD	110 SK HI-FILL "V"		Cumulative Total	1,625,439.00	1,033,914.00	
MAY 44	CVIELD 2 12 TAIL 5	80 SK HLC-TYPE 5 WT.	13.0 YIELD 1.75 - I	DROP PLUG & DISP.	. WITH	Summation rotal			
RIG DO	OWN CLEAN MUD TA	NKS PREPARE TO MOV	/E TO RBU 27-18 F	Anno with a man decomposition of the second state of the	Burney and the second second	TORREST UNITED TO THE STATE OF			
Well: RBU 30-18P		APIX 430473859700		Rpt No. 19	DOE/18	100000000000000000000000000000000000000	Report Date: 417	2001	
Operator: DOMINION EX	PLORATION & PRODUC	TION INC		UWI: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL					
Rig Name: patterson 12				Final Surface Location	:	· · · · · · · · · · · · · · · · · · ·			
Event: DRILL		Start Date: 12/13/2006		Spud Dt.: 1/6/2007		Type: DEVELOPMENT		<u> </u>	
Supervisor: SCOTT SEEL	Υ	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
Active Datum: GL @5,1 LEVEL)	06.0ft (GROUND	Ground Elev.: 5,106.00		Wi:		Authorized MD/TVD: 8,600			
A CONTRACTOR OF THE STATE OF TH	energia de la	118	HOLE SIZE	MUD WEIGHT		LAST	CASING	Sea of the second	
MO(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
8,646.00	7,915.75	0.0(ft)		9.00(ppg)	5-1/2(**)	8,642.0(ft)	8,447.0(ft)	(ppg)	
	FORMATION	ARGET NAME	V pr 28	MD TOP (h)	TVD TOP (II)		NEXT CASINO		
WASATCH				SIZE	MD	TVD			
MESAVERDE						5-1/2(")	8,840.0(ft)	8,600.0(ft)	
Daily Detail: RIG D	OWN AND SKID TO F	RBU 27-18 F ( RIG RELE	ASED @ 06:00 04/	16/2007 )			Well Casts (5)	Actual	
						Daily Cost		22,500.00	
						Daily Cost	1,625,439.00	1,056,414.00	
i						Cumulative Total	1,023,403.00	.,,,	

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		introductions			St.			
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	o policina de la compania de la comp		April 1981	in contract				and the state of t
Operator: DOMINION EXP	LORATION & PRODUCT	TION INC		UWI: SEC 18-10S-20E	, SHL 897' FSL & 202	3' FWL		
Rig Name: patterson 12			Final Surface Location:					
event: DRILL Start Date: 12/13/2006			Spud Dt.: 1/6/2007		Type: DEVELOPMENT			
Supervisor: SCOTT SEEL	Y	Engineer: RICHARD HOWE	LL	AFE No.: 0700217		Authorized Days:		
Active Datum: GL @5,10 LEVEL)	06.0ft (GROUND	Ground Elev.: 5,106.00		WI:		Authorized MD/TVD: 8,600		
	CHAIL (TROPE)			MODWEGHT		LAST	AŞING .	
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
8,646.00	7,915.75	0.0(ft)		9.00(ppg)	5-1/2(*)	8,642.0(ft)	8,447.0(ft)	(ppg)
i Sent di Propinsi di Propi	* LABILUA.	kease(77mb)	AVE 1	MD TOP (N)	TVB/TOP (A)	100	NEXT CASING	Pake
WASATCH				88.00 L 83.00 L 93.00 M	PROCESSOR AND	SIZE	MD	TVD
MESAVERDE						5-1/2(*)	8,840.0(ft)	8,600.0(ft)
PULL	OWN D.P & D.C. VEAR RING					a company	AFE	Actual
	04 JTS. 5 1/2" 17# M-4 & COND. FOR CMT.	80WITH FLOAT SHOE &	FLOAT COLLAR T	OTAL 8642'		Daily Cost	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	190,853.00
CMT	WITH HALL BURTON	PUMPED 20BBL WATER	R AHEAD OFLEAD	110 SK HI-FILL "V"		Cumulative Total	1,625,439.00	1,033,914.00
199 BB	IL 2% KCL - PLUG BL	JMPED FLOATS HELD -	HAD GOOD RET. 1	THRU OUT JOB				
RIG DO	OWN CLEAN MUD TA	NKS PREPARE TO MO	/E TO RBU 27-18 F	Marine characteristic and the second	Parties and the last			
Well: RBU 30-18P	arra d	An special policy		Rat No.: 19 DOIL-18 OF \$437. ** Report Date: 417/2507.  UWI: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL				
Operator: DOMINION EX	PLORATION & PRODUC	TION INC		<del> </del>		23 FWL		
Rig Name: patterson 12				Final Surface Location		Type: DEVELOPMENT		
Event: DRILL	·	Start Date: 12/13/2006		Spud Dt.: 1/6/2007 AFE No.: 0700217		Authorized Days:		
Supervisor: SCOTT SEEL		Engineer: RICHARD HOW		WI:		Authorized MD/TVD: 8,60	10	
Active Datum: GL @5,1 LEVEL)	06.0ft (GROUND	Ground Elev.: 5,106.00		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Bus to commence modelless	NAME OF THE PARTY	Care to the state of the state of the	en esta en esta en esta en entre en entre en
146	केश्वनगरास्त्र राज्या	nila bergan sa	4:10] # 4:174= <u>#</u>	aWife/Maisite	29.46	ALC: NO.	easings as	
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)
8,646.00	7,915.75	0.0(ft)		9.00(ppg)	5-1/2(")	8,642.0(ft)	8,447.0(ft)	(ppg)
	Section of the sectio	A HOLL LAND		NO TOP (K)	Sylvatorio	Profession Control	AND THE SING	
WASATCH		SOMETHING OF SELECTIVE SERVER CONTRACTOR SERVERS				SIZE	MD	TVD
MESAVERDE			· · · · · · · · · · · · · · · · · · ·			5-1/2(")	8,840.0(ft)	8,600.0(ft)
	OWN AND SKID TO F	RBU 27-18 F ( RIG RELE.	ASED @ 06:00 04/	16/2007 )			4.132 4172	7
Daily Detail: RIG D	CHITAIND OND TO			•			AFE	Actual
						Daily Cost		22,500.00
						Cumulative Total	1,625,439.00	1,056,414.00

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DIV. OF OIL, GAS & MINING

### **DEPI Well Operations Chronology Report**

Report Date: 6/29/2007 DOL: Ret Ho.: 4 Well: RSU 30-18F UWI: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL Operator: DOMINION EXPLORATION & PRODUCTION INC Final Surface Location Rig Name Type: COMPLETION Soud Dt.: 1/6/2007 Start Date: 5/18/2007 Event: COMPLETE AFE No.: 0700217 Authorized Days Engineer: RICHARD HOWELL Supervisor: JOE DUNCAN WI: 1% 5,108.00 Active Datum: GL @5,106.0ft (GROUND LEVEL) Ground Elev.: LAST CASING MUD WEIGHT HOLE SIZE **CURRENT DEPTH** LOT(EMW) MD 24 Hr. Progress MD(ft) 8.447.0(ft) 8,642.0(ft) (ppg) 5-1/2(") **NEXT CASING** TVD TOP (ft) MD TOP (ft) FORMATION/TARGET NAME SIZE WASATCH 8,600.0(ft) 5-1/2(") 8,840.0(ft) MESAVERDE Well Costs (\$) PERFORATE AND FRAC STG #4 OF 4 STG'S. OPEN WELL TO THE TANK ON A 12/64 CHOKE. Daily Detail: TURN WELL OVER TO PRODUCTION. Actual 221,957.00 **Daily Cost** 259,583.00 1,625,439.00 **Cumulative Total** Report Date: 6/23/3007 Rot No.: 8 API: Well: RBU 30-18F UWI: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL Operator: DOMINION EXPLORATION & PRODUCTION INC Type: COMPLETION Start Date: 5/18/2007 Spud Dt.: 1/6/2007 Event: COMPLETE AFE No.: 0700217 Authorized Days: Engineer: RICHARD HOWELL Supervisor: DALE FISHER WI: 1% Authorized MD/TVD: 8,600 Active Datum: GL @5,106.0ft (GROUND LEVEL) LAST CASING **MUD WEIGHT HOLE SIZE CURRENT DEPTH** LOT(EMW) \$1ZE MD 24 Hr. Progress MD(ft) 8,447.0(ft) 8.642.0(ft) 5-1/2(") **NEXT CASING** MD TOP (ft) TVD TOP (ft) FORMATION/TARGET NAME MD TVD WASATCH 8,600.0(ft) 8,840,0(ft) 5-1/2(") MESAVERDE Daily Detail: OPEN WELL TO PIT @ 8:30 ON 12/64 CHOKE RECOVERED 750 BBLS FLUID FCP 800 Well Costs (\$) Actual **Daily Cost** 259.583.00 1,625,439.00 Cumulative Total DFS: Rpt No.: 6 DOL: API: Well: RBU 30-18F UWI: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL Operator: DOMINION EXPLORATION & PRODUCTION INC Final Surface Location Rig Name Spud Dt.: 1/6/2007 Type: COMPLETION Start Date: 5/18/2007 Event: COMPLETE AFE No.: 0700217 Engineer: RICHARD HOWELL Supervisor: DALE FISHER Authorized MD/TVD: 8,600 Active Datum: GL @5,106.0ft (GROUND Ground Elev.: 5,108.00 LAST CASING HOLE SIZE MUD WEIGHT **CURRENT DEPTH** LOT(EMW) MD SIZE 24 Hr. Progress MD(ft) TVD(ft) 8,447.0(ft) 8,642.0(ft) 5-1/2(\*) **NEXT CASING** TVD TOP (ft) MD TOP (ft) FORMATION/TARGET NAME TVD SIZE WASATCH 8,600.0(ft) 5-1/2(") MESAVERDE Daily Detail: WELL FLOWING TO PIT ON 18/64 CHOKE FCP 600 RCOVERED 609 BBLS FLUID SI Well Costs (\$) AFE 0.00 **Daily Cost** 259,583.00 1.625.439.00 **Cumulative Total** RECEIVED

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							VMIVE		
fell: RBU 30-18F		API: 430473666760		Rpt No.: 1	DOL:	DFS:	Report Date: 6/2/	007	
perator: DOMINION EXP	PLORATION & PRODUCT	TON INC		UWI: SEC 18-10S-20E	, SHL 897' FSL & 202	3' FWL			
g Name:				Final Surface Location	:				
vent: COMPLETE		Start Date: 5/19/2007		Spud Dt.: 1/6/2007	d Dt.: 1/6/2007 Type: COMPLETION				
pervisor: JEFF KULLAN	ND	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
ctive Datum: GL @5,10 LEVEL)	06.0ft (GROUND	Ground Elev.: 5,108.00		WI: 1%		Authorized MD/TVD: 8,600			
	CURRENT DEPT	гн	HOLE SIZE	MUD WEIGHT		LAST	CASING		
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
			1		5-1/2(")	8,642.0(ft)	8,447.0(ft)	(ppg)	
				44D TOD 493	7/2 TO2 (F)		NEXT CASING		
	OUT. NO						TVD		
WASATCH						5-1/2(")	8,840.0(ft)	8,600.0(ft)	
IESAVERDE		1 10 mg							
	# ON WELL. MI,RUPU ND FRAC VALVE. N	I & WL. RIH & SET 5 1/2	KILL PLUG @ 517	o'. RDWL. BLEED OI	₹F	! 	Well Costs (\$)		
		RING FLOAT,P/O BIT S	UB,SN & 165 JTS 2	3/8" TBG. TAG KILL			AFE	Actual	
PLUC	G. RU POWER SWIVE	L. SWIFN				Dally Cost		12,649.00	
SWIFN					Cumulative Total	1,625,439.00	12,649.00		
Vell: RBU 30-18F		API: 430473866700		Rpt No.: 2	DOL:	DFS:	Report Date: 6/3/	1007	
	PLORATION & PRODUCT	TION INC		UWI: SEC 18-10S-208	, SHL 897' FSL & 202	3' FWL		•	
ig Name:				Final Surface Location					
vent: COMPLETE		Start Date: 5/19/2007		Spud Dt.: 1/6/2007	***	Type: COMPLETION			
Supervisor: JEFF KULLAI	ND	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
ctive Datum: GL @5,1		Ground Elev.: 5,106.00		WI: 1%		Authorized MD/TVD: 8,600			
	CURRENT DEPT	гн	HOLE SIZE	MUD WEIGHT		LAST CASING			
						MD TVD LOT(EN			
	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
	TVD(ft)	24 Hr. Progress	•					LOT(EMW)	
			),, <del>,</del>		5-1/2(")	MD 8,842.0(ft)	8,447.0(ft)		
	FORMATION/T.			MD TOP (ft)		8,642.0(ft)	8,447.0(ft) NEXT CASING	(ppg)	
<b>V</b> ASATCH				MD TOP (ft)	5-1/2(")	8,642.0(ft)	8,447.0(ft)  NEXT CASING  MD	(ppg)	
WASATCH				MD TOP (ft)	5-1/2(")	8,642.0(ft)	8,447.0(ft) NEXT CASING	(ppg)	
VASATCH  AESAVERDE  Daily Detail: 0# S	FORMATION/T.	ARGET NAME	' & 7630', RiH & C/C	TO 8494'. POOH &	5-1/2(')  TVD TOP (ft)	8,642.0(ft)	8,447.0(ft)  NEXT CASING  MD	(ppg)	
VASATCH  MESAVERDE  Daily Detail: 0# S  LD 6  SUB T	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE	ARGET NAME  P.S. © 5170',5400',5910  VELL W/ SN/EOT © 83  LLHEAD DROP BALL 8	317'. ( 265 JTS 2 3/8 LPUMP OFF BIT SU	) TO 8494'. POOH & "TBG,SN & P/O BIT JB, NO INCEASE	5-1/2(')  TVD TOP (ft)	8,642.0(ft)	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)	(ppg)	
WASATCH MESAVERDE  Daily Detail: 0# S LD 6 SUB T IN PR	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON W OP ) ND BOP. NU WE RESSURE WHILE PUN	ARGET NAME  IP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 83  ILL HEAD. DROP BALL 8  MPING OFF BIT SUB. PL	317'. ( 265 JTS 2 3/8 LPUMP OFF BIT SU	) TO 8494'. POOH & "TBG,SN & P/O BIT JB, NO INCEASE	5-1/2(')  TVD TOP (ft)	8,642.0(ft)	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)	(ppg)  TVD  8,600.0(ħ)	
VASATCH  MESAVERDE  Daily Detail: 0# S  LD 6  SUB T  IN PR	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO	ARGET NAME  IP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 83  ILL HEAD. DROP BALL 8  MPING OFF BIT SUB. PL	317'. ( 265 JTS 2 3/8 LPUMP OFF BIT SU	) TO 8494'. POOH & "TBG,SN & P/O BIT JB, NO INCEASE	5-1/2(')  TVD TOP (ft)	8,842.0(ft)  SIZE  5-1/2(*)	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)	(ppg) TVD 8,800.0(ft) Actual	
VASATCH MESAVERDE  Dally Detail: 0# S LD 6 SUB T IN PR ION. RDF	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO	ARGET NAME  IP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 8: LLHEAD. DROP BALL & MPING OFF BIT SUB. PLD.	317'. ( 265 JTS 2 3/8 LPUMP OFF BIT SU	D TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-	5-1/2(')  TVD TOP (ft)	8,842.0(ft)  SIZE  5-1/2(')  Daily Cost	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE	(ppg)  TVD  8.600.0(ft)  Actual  44,550.00  57,199.00	
VASATCH  MESAVERDE  Dally Detail: 0# S LD 6 SUB T IN PR ION. RDF	FORMATION/T.  IP. EST CIRC. D/O CB  JTS TBG. LAND ON W OP ) ND BOP. NU WE RESSURE WHILE PUN TURN OVER TO PRO PU.	ARGET NAME  IP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 83  ILL HEAD. DROP BALL 8  MPING OFF BIT SUB. PLD.  API: 430473866700	317'. ( 265 JTS 2 3/8 LPUMP OFF BIT SU	) TO 8494'. POOH & "TBG,SN & P/O BIT JB, NO INCEASE	5-1/2(') TVD TOP (ft)  DOL:	8,842.0(ft)  SIZE  5-1/2(*)  Daily Cost  Cumulative Total	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00	(ppg)  TVD  8.600.0(ft)  Actual  44,550.00  57,199.00	
VASATCH  MESAVERDE  Daily Detail: 0# Si LD 6 SUB T IN PR ION. RDF  Nell: RBU 30-18F  Operator: DOMINION EX	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO	ARGET NAME  IP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 83  ILL HEAD. DROP BALL 8  MPING OFF BIT SUB. PLD.  API: 430473866700	317'. ( 265 JTS 2 3/8 LPUMP OFF BIT SU	D TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-	5-1/2(*)  TVD TOP (ft)  DOL:  5. SHL 897 FSL & 202	8,842.0(ft)  SIZE  5-1/2(*)  Daily Cost  Cumulative Total	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00	(ppg)  TVD  8.600.0(ft)  Actual  44,550.00  57,199.00	
WASATCH  MESAVERDE  Daily Detail: C# Si LD 6 SUB T IN PR ION. RDF  Well: RBU 30-18F  Operator: DOMINION EX Rig Name:	FORMATION/T.  IP. EST CIRC. D/O CB  JTS TBG. LAND ON W OP ) ND BOP. NU WE RESSURE WHILE PUN TURN OVER TO PRO PU.	ARGET NAME  P,S @ 5170',5400',5910  VELL W/ SN / EOT @ 8:  LLHEAD. DROP BALL 8  MPING OFF BIT SUB. PL  D.  API: 430473856799  TION INC	317'. ( 265 JTS 2 3/8 LPUMP OFF BIT SU	D TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UWI: SEC 18-10S-20I Final Surface Locatior	5-1/2(*)  TVD TOP (ft)  DOL:  5. SHL 897 FSL & 202	8,842.0(ft)  SIZE  5-1/2(*)  Daily Cost  Cumulative Total	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00	(ppg)  TVD  8.800.0(h)  Actual  44,550.00  57,199.00	
WASATCH MESAVERDE  Daily Detail: 0# Si LD 6 SUB T IN P6 ION. RDF  Well: RBU 36-18F  Departor: DOMINION EX Rig Name: Event: COMPLETE	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO PU.  PLORATION & PRODUCT	ARGET NAME  IP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 8:  LLHEAD. DROP BALL 8  MPING OFF BIT SUB. PL  D.  API: 430473886700  TION INC  Start Date: 5/18/2007	317' ( 265 JTS 2 3/8/5 PUMP OFF BIT SL JMP 60 BBLS WTR	OTO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UW: SEC 18-10S-20I Final Surface Location Spud Dt.: 1/8/2007	5-1/2(*)  TVD TOP (ft)  DOL:  5. SHL 897 FSL & 202	8,842.0(ft)  SIZE  5-1/2(*)  Daily Cost  Cumulative Total  DFS:	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00	(ppg)  TVD  8.800.0(h)  Actual  44,550.00  57,199.00	
MASATCH  MESAVERDE  Daily Detail: 0# Si LD 6. SUB T. IN PR ION. RDF  Well: RBU 30-18F  Operator: DOMINION EX Rig Name:  Event: COMPLETE  Supervisor: DALE FISHE Active Datum: GL @5,1	FORMATION/T.  IP. EST CIRC. D/O CB JIP. EST CIRC. D/O CB OP. IVID STORY OP.) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO OU.  PLORATION & PRODUCT R	ARGET NAME  P,S @ 5170',5400',5910  VELL W/ SN / EOT @ 8:  LLHEAD. DROP BALL 8  MPING OFF BIT SUB. PL  D.  API: 430473856799  TION INC	B17' ( 265 JTS 2 3/8/ PUMP OFF BIT SUMP 60 BBLS WTR	D TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UWI: SEC 18-10S-20I Final Surface Locatior	5-1/2(*)  TVD TOP (ft)  DOL:  5. SHL 897 FSL & 202	8,842.0(ft)  SIZE  5-1/2(')  Daily Cost  Cumulative Total  DFS:  23' FWL	8,447.0(ft)  NEXT GASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,825,439.00  Report Date: 6/4/	(ppg)  TVD  8.600.0(ft)  Actual  44,550.00  57,199.00	
NASATCH MESAVERDE  Daily Detail: 0# S LD 6 SUB T IN PR ION. RDF  Well: RBU 30-18F  Departor: DOMINION EX Rig Name: Event: COMPLETE  Supervisor: DALE FISHE	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO PU.  PLORATION & PRODUCT R 106.06 (GROUND	ARGET NAME  IP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 8:  LLHEAD. DROP BALL 8  APING OFF BIT SUB. PL  D.  API: 430473886700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW  Ground Elev.: 5,106.00	317' ( 265 JTS 2 3/6/5 PUMP OFF BIT SUMP 60 BBLS WTR	TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UWI: SEC 18-10S-20I  Final Surface Location Spud Dt.: 1/8/2007  AFE No.: 0700217  WI: 1%	5-1/2(*)  TVD TOP (ft)  DOL:  5. SHL 897 FSL & 202	8,842.0(ft)  SIZE  5-1/2(')  Daily Cost  Cumulative Total  DFS:  23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,66	8,447.0(ft)  NEXT GASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,825,439.00  Report Date: 6/4/	(ppg)  TVD  8.800.0(h)  Actual  44,550.00  57,199.00	
NASATCH MESAVERDE  Daily Detail: 0# S LD 6 SUB T IN PR ION. RDF  Well: RBU 30-19F  Deprator: DOMINION EX Rig Name: Event: COMPLETE  Supervisor: DALE FISHE Active Datum: GL @5,1 LEVEL)	FORMATION/T.  IP. EST CIRC. D/O CB JIP. EST CIRC. D/O CB OP. IVID STORY OP.) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO OU.  PLORATION & PRODUCT R	ARGET NAME  IP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 8:  LLHEAD. DROP BALL 8  APING OFF BIT SUB. PL  D.  API: 430473886700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW  Ground Elev.: 5,106.00	B17' ( 265 JTS 2 3/8/ PUMP OFF BIT SUMP 60 BBLS WTR	TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UW: SEC 18-10S-20I Final Surface Location Spud Dt.: 1/6/2007  AFE No.: 0700217	5-1/2(*)  TVD TOP (ft)  DOL:  5. SHL 897 FSL & 202	8,842.0(ft)  SIZE  5-1/2(')  Daily Cost  Cumulative Total  DFS:  23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,66	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,825,439.00  Report Date: \$44/	(ppg)  TVD  8.600.0(ft)  Actual  44,550.00  57,199.00	
VASATCH  IESAVERDE  Daily Detail: O# Si LD 6. SUB T. IN PR ION. RDF  Well: RBU 30-18F  Operator: DOMINION EX Rig Name: Event: COMPLETE  Supervisor: DALE FISHE Active Datum: GL @5,1	FORMATIONIT.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO PLORATION & PRODUCT  R  06.0ft (GROUND	ARGET NAME  SP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 83  LILHEAD. DROP BALL 8  APING OFF BIT SUB. PL  D.  API: 430473856700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW  Ground Elev.: 5,106.00	317' ( 265 JTS 2 3/6/5 PUMP OFF BIT SUMP 60 BBLS WTR	TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UWI: SEC 18-10S-20I  Final Surface Location Spud Dt.: 1/8/2007  AFE No.: 0700217  WI: 1%	5-1/2(')  TVD TOP (ft)  DOL:  E, SHL 897 FSL & 202	8,842.0(ft)  SIZE  5-1/2(*)  Daily Cost  Cumulative Total  DFS: 23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,86	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00  Report Date: \$44/	(ppg)  TVD  8.800.0(h)  Actual  44.550.00  57,199.00	
WASATCH  IESAVERDE  Daily Detail: 0# S LD 6. SUB T IN PR ION. RDF  Well: RBU 30-18F  Operator: DOMINION EX Rig Name: Event: COMPLETE Supervisor: DALE FISHE Active Datum: GL @5,1 LEVEL)	FORMATIONIT.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO PLORATION & PRODUCT  R  06.0ft (GROUND	ARGET NAME  SP,S @ 5170',5400',5910  VELL W/ SN / EOT @ 83  LILHEAD. DROP BALL 8  APING OFF BIT SUB. PL  D.  API: 430473856700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW  Ground Elev.: 5,106.00	317' ( 265 JTS 2 3/6/5 PUMP OFF BIT SUMP 60 BBLS WTR	TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UW: SEC 18-10S-20I Final Surface Location Spud Dt.: 1/6/2007  AFE No.: 0700217 WI: 1%  MUD WEIGHT	5-1/2(')  TVD TOP (ft)  DOL:  5, SHL 897 FSL & 202  SIZE  5-1/2(')	8,842.0(ft)  SIZE  5-1/2(')  Daily Cost  Cumulative Total  DFS: 23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,84	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00  Report Date: \$44/	(ppg)  TVD  8,800.0(ft)  Actual  44,550.00  57,199.00	
WASATCH  IESAVERDE  Daily Detail: 0# S LD 6. SUB T IN PR ION. RDF  Well: RBU 30-18F  Operator: DOMINION EX Rig Name: Event: COMPLETE Supervisor: DALE FISHE Active Datum: GL @5,1 LEVEL)	FORMATIONIT.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO PLORATION & PRODUCT  R  06.0ft (GROUND	ARGET NAME  SP,S @ 5170',5400',5910  WELL W/ SN / EOT @ 83  ILLHEAD. DROP BALL 8  APING OFF BIT SUB. PL  D.  API: 430473886700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW  Ground Elev.: 5,106.00  TH  24 Hr. Progress	317' ( 265 JTS 2 3/6/5 PUMP OFF BIT SUMP 60 BBLS WTR	TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UWI: SEC 18-10S-20I  Final Surface Location Spud Dt.: 1/8/2007  AFE No.: 0700217  WI: 1%	5-1/2(')  TVD TOP (ft)  DOL:  E, SHL 897 FSL & 202	SIZE  5-1/2(*)  Daily Cost  Cumulative Total  DFS:  23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,66  LAST  MD  8,842.0(ft)	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00  Report Date: \$44/  00  CASING  TVD  8,447.0(ft)  NEXT CASING	(ppg)  TVD 8,800.0(h)  Actual 44,550.00 57,199.00  LOT(EMW) (ppg)	
WASATCH  IESAVERDE  Pally Detail: 0# S LD 6 SUB T IN PR ION. RDF  Well: RBU 30-18F  Operator: DOMINION EX Rig Name: Event: COMPLETE Supervisor: DALE FISHE Active Datum: GL @5,1 LEVEL)  MD(ft)	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUM TURN OVER TO PRO PU.  PLORATION & PRODUCT  R  06.0ft (GROUND  CURRENT DEP	ARGET NAME  SP,S @ 5170',5400',5910  WELL W/ SN / EOT @ 83  ILLHEAD. DROP BALL 8  APING OFF BIT SUB. PL  D.  API: 430473886700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW  Ground Elev.: 5,106.00  TH  24 Hr. Progress	317' ( 265 JTS 2 3/6/5 PUMP OFF BIT SUMP 60 BBLS WTR	TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UW: SEC 18-10S-20I Final Surface Location Spud Dt.: 1/6/2007  AFE No.: 0700217 WI: 1%  MUD WEIGHT	5-1/2(')  TVD TOP (ft)  DOL:  5, SHL 897 FSL & 202  SIZE  5-1/2(')	SIZE  5-1/2(*)  Daily Cost  Cumulative Total  DFS:  23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,84  LAST  MD  8,842.0(ft)	8,447.0(ft)  NEXT CASING  MD 8,840.0(ft)  Well Costs (\$)  AFE  1,825,439.00  Report Date: 6/4/  CASING  TVD 8,447.0(ft)  NEXT CASING  MD	(PPQ)  TVD  8,800.0(ft)  Actual  44,550.00  57,199.00  2007	
WASATCH  JASATCH  JAS	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUN TURN OVER TO PRO PU.  PLORATION & PRODUCT  R  O6.0ft (GROUND  CURRENT DEP'  TVD(ft)	ARGET NAME  IP,S @ 5170',5400',5910 VELL W/ SN / EOT @ 83 ILL HEAD. DROP BALL 8 APING OFF BIT SUB. PLD.  API: 430473856700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW Ground Elev:: 5,106.00  TH  24 Hr. Progress	B17: ( 265 JTS 2 3/6/51 PUMP OFF BIT SLIMP 60 BBLS WTR	POTO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UW: SEC 18-10S-20I Final Surface Location Spud Dt.: 1/6/2007  AFE No.: 0700217  W: 1%  MUD WEIGHT  MD TOP (ft)	5-1/2(')  TVD TOP (ft)  DOL:  E, SHL 897 FSL & 202  SIZE  5-1/2(')  TVD TOP (ft)	8,842.0(ft)  SIZE  5-1/2(*)  Daily Cost  Cumulative Total  DFS: 23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,66  LAST  MD  8,642.0(ft)  SIZE  5-1/2(*)	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00  Report Date: \$44/  00  CASING  TVD  8,447.0(ft)  NEXT CASING	(ppg)  TVD 8,800.0(h)  Actual 44,550.00 57,199.00  LOT(EMW) (ppg)	
WASATCH  JESAVERDE  JAIIY Detail: 0# S LD 6 SUB T IN PR ION. RDF  Well: RSU 30-18F  Operator: DOMINION EX Rig Name: Event: COMPLETE  Supervisor: DALE FISHE Active Datum: GL @5,1 LEVEL)  MD(ft)	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUN TURN OVER TO PRO PU.  PLORATION & PRODUCT  R  O6.0ft (GROUND  CURRENT DEP'  TVD(ft)	ARGET NAME  IP,S @ 5170',5400',5910 VELL W/ SN / EOT @ 83 ILL HEAD. DROP BALL 8 APING OFF BIT SUB. PLD.  API: 430473856700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW Ground Elev:: 5,106.00  TH  24 Hr. Progress	B17: ( 265 JTS 2 3/6/51 PUMP OFF BIT SLIMP 60 BBLS WTR	POTO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Rpt No.: 7  UW: SEC 18-10S-20I Final Surface Location Spud Dt.: 1/6/2007  AFE No.: 0700217  W: 1%  MUD WEIGHT  MD TOP (ft)	5-1/2(')  TVD TOP (ft)  DOL:  E, SHL 897 FSL & 202  SIZE  5-1/2(')  TVD TOP (ft)	8,842.0(ft)  SIZE  5-1/2(*)  Daily Cost  Cumulative Total  DFS: 23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,66  LAST  MD  8,642.0(ft)  SIZE  5-1/2(*)	8,447.0(ft)  NEXT CASING  MD 8,840.0(ft)  Well Costs (\$)  AFE  1,825,439.00  Report Date: 6/4/  CASING  TVD 8,447.0(ft)  NEXT CASING  MD	(PPQ)  TVD  8,600.0(ft)  Actual  44,550.00  57,199.00  2007	
WASATCH  JESAVERDE  JAIIY Detail: 0# S LD 6 SUB T IN PR ION. RDF  Well: RSU 30-18F  Operator: DOMINION EX Rig Name: Event: COMPLETE  Supervisor: DALE FISHE Active Datum: GL @5,1 LEVEL)  MD(ft)	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUN TURN OVER TO PRO PU.  PLORATION & PRODUCT  R  O6.0ft (GROUND  CURRENT DEP'  TVD(ft)	ARGET NAME  IP,S @ 5170',5400',5910 VELL W/ SN / EOT @ 83 ILL HEAD. DROP BALL 8 APING OFF BIT SUB. PLD.  API: 430473856700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW Ground Elev.: 5,108.00  TH  24 Hr. Progress  ARGET NAME	B17: ( 265 JTS 2 3/6/51 PUMP OFF BIT SLIMP 60 BBLS WTR	TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Ript No.: 7  UW: SEC 18-10S-20I Final Surface Location Spud Dt.: 1/6/2007  AFE No.: 0700217  WI: 1%  MUD WEIGHT  MD TOP (ft)	5-1/2(')  TVD TOP (ft)  DOL:  E, SHL 897 FSL & 202  SIZE  5-1/2(')  TVD TOP (ft)	8,842.0(ft)  SIZE  5-1/2(*)  Daily Cost  Cumulative Total  DF3: 23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,66  LAST  MD  8,842.0(ft)  SIZE  5-1/2(*)	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00  Report Date: \$44/  700  CASING  TVD  8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)	(PPQ)  TVD  8,600.0(ft)  Actual  44,550.00  57,199.00  2007	
MASATCH  MESAVERDE  Daily Detail: 0# S LD 6. SUB T IN PR ION. RDF  Well: RBU 30-18F  Operator: DOMINION EX Rig Name: Event: COMPLETE  Supervisor: DALE FISHE Active Datum: GL @5,1 LEVEL)  MD(ft)	FORMATION/T.  IP. EST CIRC. D/O CB JTS TBG. LAND ON V OP ) ND BOP. NU WE RESSURE WHILE PUN TURN OVER TO PRO PU.  PLORATION & PRODUCT  R  O6.0ft (GROUND  CURRENT DEP'  TVD(ft)	ARGET NAME  IP,S @ 5170',5400',5910 VELL W/ SN / EOT @ 83 ILL HEAD. DROP BALL 8 APING OFF BIT SUB. PLD.  API: 430473856700  TION INC  Start Date: 5/18/2007  Engineer: RICHARD HOW Ground Elev:: 5,106.00  TH  24 Hr. Progress	B17: ( 265 JTS 2 3/6/51 PUMP OFF BIT SLIMP 60 BBLS WTR	TO 8494'. POOH & "TBG,SN & P/O BIT JB. NO INCEASE W/ NO RESTRICT-  Ript No.: 7  UW: SEC 18-10S-20I Final Surface Location Spud Dt.: 1/6/2007  AFE No.: 0700217  WI: 1%  MUD WEIGHT  MD TOP (ft)	5-1/2(')  TVD TOP (ft)  DOL:  E, SHL 897 FSL & 202  SIZE  5-1/2(')  TVD TOP (ft)	8,842.0(ft)  SIZE  5-1/2(*)  Daily Cost  Cumulative Total  DF3: 23' FWL  Type: COMPLETION  Authorized Days:  Authorized MD/TVD: 8,66  LAST  MD  8,842.0(ft)  SIZE  5-1/2(*)	8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)  AFE  1,625,439.00  Report Date: \$44/  700  CASING  TVD  8,447.0(ft)  NEXT CASING  MD  8,840.0(ft)  Well Costs (\$)	(ppg)  TVD  8.600.0(ft)  Actual  44,550.00  57,199.00  LOT(EMW) (ppg)  TVD  8.600.0(ft)	

		neo	Wall Oper	ations Chro	nology Rei	on Ani	PINCE		
er er fan		DEF	i Well Open		* (#. 16.1.4)			701	
lell: RBU 30-18F		APR 430473666700		Ret No.: 1 DOL: DPS: PERSONNEL COMMUNICATION					
perator: DOMINION E	XPLORATION & PRODUCT	TION INC		UWI: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL					
g Name:				Final Surface Location					
ent: COMPLETE		Start Date: 5/19/2007		Spud Dt.: 1/6/2007		Type: COMPLETION			
upervisor: JEFF KULL	AND	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
ctive Datum: GL @5 LEVEL		Ground Elev.: 5,106.00		WI: 100%		Authorized MD/TVD: 8,60			
	CURRENT DEP	TH	HOLE SIZE	MUD WEIGHT		LAST	CASING		
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
					5-1/2(")	8,642.0(ft)	8,447.0(ft)	(ppg)	
<del></del>	FORMATION/T	A BOST NAME	·	MD TOP (ft)	TVD TOP (ft)		NEXT CASING		
	PORMATION/I	ARVETRAME			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SIZE	MD	TVD	
ASATCH				-	-	5-1/2(")	8,840.0(ft)	8,600.0(ft)	
ESAVERDE		<u> </u>							
aily Detail: 165	50# ON WELL, MI,RUPU	J & WL. RIH & SET 5 1/2	KILL PLUG @ 517	70'. RDWL. BLEED O	FF		Well Costs (\$)	A -4	
WE Pl	LL. ND FRAC VALVE. N J & RIH W/ 4 3/4" BIT,S`	TRING FLOAT,P/O BIT S	SUB,SN & 165 JTS	2 3/8" TBG. TAG KILI			AFE	Actual	
	UG. RU POWER SWIVE	EL.				Daily Cost		12,649.00	
		SWIFN				Cumulative Total	1,625,439.00	12,649.00	
	<del></del>	API: 430473655700		Ret No.: 2	DOL:	DFS:	Report Date: 6/3/2	907	
ieli: RBU 39-18F	CVEL COLTION & PROPING	<u> </u>		UW: SEC 18-10S-20I	<u> </u>	23' FWL			
·	EXPLORATION & PRODUC	TION NAC		Final Surface Location					
tig Name:		Start Date: 5/19/2007		Spud Dt.: 1/6/2007	·	Type: COMPLETION			
vent: COMPLETE				AFE No.: 0700217		Authorized Days:			
upervisor: JEFF KULL		Engineer: RICHARD HOW		<del></del>		Authorized MD/TVD: 8,600			
ctive Datum: GL @5 LEVEL		Ground Elev.: 5,106.00		WI: 100%					
	CURRENT DEP	тн	HOLE SIZE	MUD WEIGHT		LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress	1	ł	SIZE	MD	TVD	LOT(EMW)	
					5-1/2(")	8,642.0(ft)	8,447.0(ft)	(ppg)	
	- EODMATIONS	TARGET NAME		MD TOP (ft)	TVD TOP (ft)	NEXT CASING			
VASATCH	PORMATION	IARGETRAME			712 121 (14)	SIZE	MD	TVD	
				1		5-1/2(")	8,840.0(ft)	8,600.0(ft)	
MESAVERDE	_ = = =			<u> </u>	<u> </u>				
Daily Detail: 0#	SIP. EST CIRC. D/O CI	BP,S @ 5170',5400',5910 WELL W/SN/EOT @ 8	0'& 7630'.RIH & Ca 317' (265 JTS 2.3	/O TO 8494'. POOH 8 /8" TBG.SN & P/O BIT	· -	ļ	Well Costs (\$)	Actual	
SUB	TOP IND BOP, NU W	ELLHEAD, DROP BALL	& PUMP OFF BIT S	SUB. NO INCEASE			AFE	Actual	
iN	PRESSURE WHILE PU	MPING OFF BIT SUB. P	UMP 60 BBLS WTF	R W/ NO RESTRICT-		Daily Cost		44,550.00	
	N. TURN OVER TO PRO DPU.	JU.				Cumulative Total	1,625,439.00	57,199.00	
		API: 430473855700		Rpt No.: 7	DOL:	DFS:	Report Date: 6/4/2	1007	
Nell: RBU 30-18F		1			E, SHL 897' FSL & 20				
·	EXPLORATION & PRODUC	TION INC		Final Surface Locatio					
Rig Name:		1				Type: COMPLETION			
Event: COMPLETE		Start Date: 5/18/2007			Spud Dt.: 1/6/2007		Type: COMPLETION  Authorized Days:		
Supervisor: DALE FISI		Engineer: RICHARD HOV		AFE No.: 0700217		Authorized MD/TVD: 8,0	200		
Active Datum: GL @ LEVE		Ground Elev.: 5,108.0	0	WI: 100%	T	<u></u>			
	CURRENT DE	PTH	HOLE SIZE	MUD WEIGHT	ļ	<del></del>	CASING		
MD(ft)	TVD(ft)	24 Hr. Progress	1	}	SIZE	MD	TVD	LOT(EMW)	
					5-1/2(")	8,642.0(ft)	8,447.0(ft)	(ppg)	
	FORMATION/	TARGET NAME	MD TOP (ft)	TVD TOP (ft)		NEXT CASING			
WASATCH						SIZE	MD	TVD	
						5-1/2(")	8,840.0(ft)	8,600.0(ft)	
MESAVERDE		A DACK TANK LID TRO	NI 24/64 CHOKE E	TP 690 SICP 1000	<del>*</del>		Well Costs (\$)		
	1. EL OLABANO TO EL OLA		ハマ エマハンマ しけしれに ド	., 555 5.51 1000		L	11011 20000 (4)		
Daily Detail: WE	LL FLOWING TO FLOW COVERED 515 BBLS FI	LUID					AFE	Actual	
Daily Detail: WE	LL FLOWING TO FLOV COVERED 515 BBLS FI	LUID					AFE		
Daily Detail: WE	LL FLOWING TO FLOV COVERED 515 BBLS FI	LUID				Daily Cost  Cumulative Total	1,625,439.00	0.00 259,583.00	

### **DEPI Well Operations Chronology Report**

Well: RBU 30-18F		API: 430473856700		Rpt No.: 8	DOL:	DFS:	Report Date: 6/18/	1007	
Operator: DOMINION EX	PLORATION & PRODUCT	TION INC		UWI: SEC 18-10S-20E	UWI: SEC 18-10S-20E, SHL 897' FSL & 2023' FWL				
Rig Name:				Final Surface Location	:				
vent: COMPLETE		Start Date: 5/18/2007		Spud Dt.: 1/6/2007		Type: COMPLETION			
Supervisor: DALE FISHE	R	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
Active Datum: GL @5,1 LEVEL)	06.0ft (GROUND	Ground Elev.: 5,108.00		WI: 100%		Authorized MD/TVD: 8,800			
	CURRENT DEPT	TH	HOLE SIZE	MUD WEIGHT		LAST	ASING		
MD(ft)	TVD(ft)	24 Hr. Progress			SIZE	MD	TVD	LOT(EMW)	
		·	•		5-1/2(")	8,642.0(ft)	8,447.0(ft)	(ppg)	
		1	_	MD TOP (ft)	TVD TOP (ft)		NEXT CASING		
MOATON.	PORMATION/I	ONVIARGET RAME					TVD		
/ASATCH						5-1/2(")	8,840.0(ft)	8,600.0(ft)	
ESAVERDE							<u> </u>		
ally Detail: WELL OIL 0 V		15 HRS MCF 706 FTP 1	744 SICP 1872 ON	12/64 CHOKE SLP 8	33 0	· · · · · · · · · · · · · · · · · · ·	Well Costs (\$)	Actual	
OIL U WIN							AFE		
						Daily Cost	1000 100 00	0.00	
						Cumulative Total	1,625,439.00	259,583.00	
Voll: RBU 30-18F		API: 430473885760		Rpt No.: 9	DOL:	DFS:	Report Date: 6/19/	2007	
perator: DOMINION EX	(PLORATION & PRODUC	TION INC		UWI: SEC 18-10S-208	, SHL 897' FSL & 202	3' FWL			
Rig Name:			<del></del>	Final Surface Location	:				
Event: COMPLETE		Start Date: 5/18/2007		Spud Dt.: 1/6/2007		Type: COMPLETION			
Supervisor: DALE FISHE	R	Engineer: RICHARD HOW	ELL	AFE No.: 0700217		Authorized Days:			
Active Datum: GL @5,1	106.0ft (GROUND	Ground Elev.: 5,106.00		WI: 100%		Authorized MD/TVD: 8,600			
	CURRENT DEP	TH	HOLE SIZE	MUD WEIGHT		LAST CASING			
MD(ft)	TVD(ft)	24 Hr. Progress			SIZÉ	MD	TVD	LOT(EMW)	
			•	!	5-1/2(")	8,642.0(ft)	8,447.0(ft)	(ppg)	
<del></del>				1 45 705 49	7/0 TOR (%)		NEXT CASING		
	FORMATION/T	ARGET NAME		MD TOP (ft)	TVD TOP (ft)	SIZE MD TVD			
WASATCH			-			5-1/2(")	8,840.0(ft)	8,600.0(ft)	
MESAVERDE									
Daily Detail: WELL	ON PROD ON 14/64 (	CHOKE 535 MCF 1532 F	TP 1683 SICP 94 S	LP 0 OIL 0 WTR		Well Costs (\$)		Actual	
						Daily Cost	AFE	Actual	
								0.00	
						Cumulative Total	1,625,439.00	259,583.00	
Nell; RBU 30-18F		API: 430473866700	<u></u>	Rpt No.: 10	DOL:	DFS:	Report Date: 6/26	2007	
				UWI: SEC 18-10S-20	- 0111 0071 501 0 001				
Operator: DOMINION EX	Operator: DOMINION EXPLORATION & PRODUCTION INC			O441. GEO 10-100-20	E, SHL 897 FSL & 202				
·			<u> </u>	Final Surface Location					
Rig Name:		Start Date: 5/18/2007				Type: COMPLETION			
Rig Name: Event: COMPLETE	ER		ELL	Final Surface Location		Type: COMPLETION Authorized Days:			
Rig Name: Event: COMPLETE Supervisor: DALE FISHE	106.0ft (GROUND	Start Date: 5/18/2007		Final Surface Location Spud Dt.: 1/6/2007			0		
Rig Name:  Event: COMPLETE  Supervisor: DALE FISHE  Active Datum: GL @5,	106.0ft (GROUND	Start Date: 5/18/2007 Engineer: RICHARD HOW Ground Elev: 5,106.00		Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217		Authorized Days: Authorized MD/TVD: 8,60	0 CASING		
Rig Name:  Event: COMPLETE  Supervisor: DALE FISHE  Active Datum: GL @5,	106.0ft (GROUND	Start Date: 5/18/2007 Engineer: RICHARD HOW Ground Elev: 5,106.00		Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 Wi: 100%		Authorized Days: Authorized MD/TVD: 8,60		LOT(EMW)	
Rig Name:  Event: COMPLETE  Supervisor: DALE FISHE  Active Datum: GL @5, LEVEL)	106.0R (GROUND	Start Date: 5/18/2007 Engineer: RICHARD HOW Ground Elev: 5,106.00		Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 Wi: 100%	n:	Authorized Days: Authorized MD/TVD: 8,60	CASING	LOT(EMW) (ppg)	
Rig Name: Event: COMPLETE Supervisor: DALE FISHE Active Datum: GL @5, LEVEL)	CURRENT DEP	Start Date: 5/18/2007 Engineer: RICHARD HOW Ground Elev:: 5,106.00  TH  24 Hr. Progress		Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 Wi: 100% MUD WEIGHT	SIZE 5-1/2(*)	Authorized Days:  Authorized MD/TVD: 8,60  LAST	CASING TVD		
Rig Name: Event: COMPLETE Supervisor: DALE FISHE Active Datum: GL @5, LEVEL) MD(ft)	CURRENT DEP	Start Date: 5/18/2007 Engineer: RICHARD HOW Ground Elev: 5,106.00		Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 Wi: 100%	SIZE	Authorized Days:  Authorized MD/TVD: 8,60  LAST	TVD 8,447.0(ft)		
Rig Name: Event: COMPLETE Supervisor: DALE FISHE Active Datum: GL @5, LEVEL) MD(ft)	CURRENT DEP	Start Date: 5/18/2007 Engineer: RICHARD HOW Ground Elev:: 5,106.00  TH  24 Hr. Progress		Final Surface Location Spud Dt.: 1/6/2007 AFE No.: 0700217 Wi: 100% MUD WEIGHT	SIZE 5-1/2(*)	Authorized Days: Authorized MD/TVD: 8,60  LAST  MD  8,642.0(ft)	TVD 8,447.0(ft) NEXT CASING	(ppg)	
Rig Name: Event: COMPLETE Supervisor: DALE FISHE Active Datum: GL @5, LEVEL) MD(ft)  WASATCH MESAVERDE	CURRENT DEP TVD(R)  FORMATION/	Start Date: 5/18/2007 Engineer: RICHARD HOW. Ground Elev.: 5,106.00 TH 24 Hr. Progress	HOLE SIZE	Final Surface Location Spud Dt.: 1/8/2007 AFE No.: 0700217 WI: 100% MUD WEIGHT MD TOP (ft)	SIZE  5-1/2(*)  TVD TOP (ft)	Authorized Days: Authorized MD/TVD: 8,80  LAST MD  8,842.0(ft)	TVD 8,447.0(ft) NEXT CASING MD 8,840.0(ft)	(PPQ)	
Rig Name: Event: COMPLETE Supervisor: DALE FISHE Active Datum: GL @5, LEVEL)  MD(ft)  MASATCH  MESAVERDE  Daily Detail: WELL	CURRENT DEP TVD(R)  FORMATION/	Start Date: 5/18/2007 Engineer: RICHARD HOW Ground Elev:: 5,106.00  TH  24 Hr. Progress	HOLE SIZE	Final Surface Location Spud Dt.: 1/8/2007 AFE No.: 0700217 WI: 100% MUD WEIGHT MD TOP (ft)	SIZE  5-1/2(*)  TVD TOP (ft)	Authorized Days: Authorized MD/TVD: 8,80  LAST MD  8,842.0(ft)	TVD 8,447.0(ft)  NEXT CASING MD 8,840.0(ft)  Well Costs (\$)	(ppg) TVD 8,600.0(ft)	
Rig Name: Event: COMPLETE Supervisor: DALE FISHE Active Datum: GL @5, LEVEL) MD(ft)  WASATCH MESAVERDE	CURRENT DEP TVD(R)  FORMATION/	Start Date: 5/18/2007 Engineer: RICHARD HOW. Ground Elev.: 5,106.00 TH 24 Hr. Progress	HOLE SIZE	Final Surface Location Spud Dt.: 1/8/2007 AFE No.: 0700217 WI: 100% MUD WEIGHT MD TOP (ft)	SIZE  5-1/2(*)  TVD TOP (ft)	Authorized Days: Authorized MD/TVD: 8,80  LAST MD  8,842.0(ft)  SIZE  5-1/2(*)	TVD 8,447.0(ft) NEXT CASING MD 8,840.0(ft)	(ppg)  TVD  8,600.0(ft)	
Rig Name:  Event: COMPLETE  Supervisor: DALE FISHE  Active Datum: GL @5, LEVEL)  MD(ft)  WASATCH  MESAVERDE  Daily Detail: WELL	CURRENT DEP TVD(R)  FORMATION/	Start Date: 5/18/2007 Engineer: RICHARD HOW. Ground Elev.: 5,106.00 TH 24 Hr. Progress	HOLE SIZE	Final Surface Location Spud Dt.: 1/8/2007 AFE No.: 0700217 WI: 100% MUD WEIGHT MD TOP (ft)	SIZE  5-1/2(*)  TVD TOP (ft)	Authorized Days: Authorized MD/TVD: 8,80  LAST MD  8,842.0(ft)	TVD 8,447.0(ft)  NEXT CASING MD 8,840.0(ft)  Well Costs (\$)	(ppg) TVD 8,600.0(ft)	

Form 3160-5 (August, 1999)

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or

which would entitle the applicant to conduct operations thereon.

certify that the applicant holds legal or equitable title to those rights in the subject lease

### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135

Expires: November 30, 2000

5. Lease Serial No.

U-013793	

SUNDRY NOTICES AND REPORTS ON WELLS	U-013793
Do not use this form for proposals to drill or to re-enter an	d. Il Indian Allottee or Tribe Name
abandoned well. Use Form 3160-3 (APD) for such proposals	
A STATE OF A STATE OF THE STATE	7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well	River Bend Unit
Oil Well X Gas Well Other	8. Well Name and No.
2. Name of Operator	RBU 30-18F
Dominion Exploration & Production, Inc.	9. API Well No.
3a. Address 3b. Phone No. (include area	· · · · · · · · · · · · · · · · · · ·
14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134 (405) 749-5237	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	Natural Buttes
SHL: 897' FSL & 2023' FWL, SW SW, Sec. 18-10S-20E	11. County or Parish, State
BHL: 250' FSL & 2800' FWL, SE SW, Sec. 18-10S-20E	Uintah, UT
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTIC	CE, REPORT OR OTHER DATA
TYPE OF SUBMISSION TYPE OF A	ACTION
Notice of Intent Acidize Deepen Pr	roduction (Start/Resume) Water Shut-Off
Altering Casing Fracture Treat R	eclamation Well Integrity
X Subsequent Report Casing Repair New Construction Re	ecomplete X Other
Change Plans Plug and Abandon Te	emporarily Abandon Drilling Operations
Final Abandonment Notice Convert to Injection Plug Back W	ater Disposal
Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated start if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and multiple the Bond under which the work will be performed or provide the Bond No. on file with BLM/B following completion of the involved operations. If the operation results in a multiple completion or rectesting has been completed. Final Abandonment Notices shall be filed only after all requirements, in determined that the site is ready for final inspection.)  5/21/07 - Perf & Frac 5/22/07 - Perf & Frac	easured and true vertical depths of all pertinent markers and zones.  IA. Required subsequent reports shall be filed within 30 davs completion in a new interval, a Form 3160-4 shall be filed once
14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Barbara Lester	Title Regulatory Specialist
Signature DO MO	Date 6/6/2007
	33(4)4(4)

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Title

Office

**RECEIVED** 

Date

JUN 1 3 2007

Form 3160-5 (August, 1999)

### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135

Expires: November 30, 2000

### SUNDRY NOTICES AND REPORTS ON WELLS

this form for proposals to drill or to re-enter an

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

J. Lease Schai Ivo.	
U-013793	
6. If Indian, Allottee or Tribe Name	

abandoned well. Use Form 3160-3 (APD) for such propose	als.	,		
abandoned wen. Ose Point 3100 5 (12 2) to such proposition size as a second control of the second control of t		7. If Unit or CA/Agreement, Name	e and/or No.	
		River Bend Unit		
1. Type of Well Oil Well  A Gas Well Other		8. Well Name and No.		
	] RBU 30-18F			
2. Name of Operator		9. API Well No.		
Dominion Exploration & Production, Inc.	in stude area codo)	43-047-38557		
3a. Address 14000 Quail Springs Pkwy, Ste 600, OKC, OK 73134 (405) 749	include area code) -5237	10. Field and Pool, or Exploratory	y Area	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	-0201	Natural Buttes		
SHL: 897' FSL & 2023' FWL, SW SW, Sec. 18-10S-20E		11. County or Parish, State		
BHL: 250' FSL & 2800' FWL, SE SW, Sec. 18-10S-20E		Uintah, UT		
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE C				
TYPE OF SUBMISSION TY	YPE OF ACTION			
Notice of Intent Acidize Deepen	Production (S	Start/Resume)		
Altering Casing Fracture Treat	Reclamation	-		
X Subsequent Report Casing Repair New Construction		X Other		
Change Plans Plug and Abando	<b>)</b>		es	
Final Abandonment Notice Convert to Injection Plug Back  13 Describe Proposed or Completed Operation (clearly state all pertinent details, including est	Water Dispos			
Attach the Bond under which the work will be performed or provide the Bond No. on file following completion of the involved operations. If the operation results in a multiple com testing has been completed. Final Abandonment Notices shall be filed only after all registermined that the site is ready for final inspection.)  6/17/07 - First Sales	nletion or recompletion	in a new interval, a romi 3100-4	Stialing lifed office	
		RE	ECEIVED	
		Jl	JN 2 2 2007	
		אין סר	OII CAC 9 MINING	
		DIV. OF	OIL, GAS & MINING	
14. I hereby certify that the foregoing is true and correct	1			
Name (Printed/Typed)  Barbara Lester	Title	Regulatory Specialist		
Signature Signature	Date	6/19/2007		
THE REPORT OF THE PROPERTY OF THE PROPERTY OF THE		TSBS:		
American by	Title		Date	
Approved by  Conditions of approval, if any, are attached. Approval of this notice does not warrant	or		<u></u>	
certify that the applicant holds legal or equitable title to those rights in the subject le which would entitle the applicant to conduct operations thereon.	ease Office			
	nu norson knowingh	y and willfully to make to any de	partment or agency of the	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for a	ny person knowingly	y and willing to make to any dep	paramon agone, or are	

Form 3160-4 (August 1999)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137

Expires November 30 2000

	\A/E	LI COMPI	ETION OF	DECOME	JENIENI	44		1		November 30 2000
	AAC	LL COMPL	ETION OF	RECUMP	LETION R	HPR	AND LOG		5. Lease Seria	l No
						VVI	AND LOG			U-013793
1a. Type			Gas Well					-	6 If Indian All	
	of Completion:	A-40-47	CASA CONTRACTOR		,		_		o. Ir indian, Ali	ottee or Tribe Name
D. Type (	or completion.	Mew Ave	ell Wor	k Over	Deepen	Diff.F	Resvr			
		Other							i	greement Name and No.
2 Namo	of Operator								<del></del>	iver Bend Unit
	•								8. Lease Name	
	inion Explora	ation & Prod	uction, Inc.		45.4.5.					RBU 30-18F
3. Addre							Phone No. (include	area code)	9. API Well No	
14	1000 Quail S	prings Parkv	vay - Ste. 60	0 - Okla. Cil	y, OK 73134	4	405-749-13	300	1 4	3-047-38557
4. Location	on of Well (Repo	ort location clear	ly and in accord	ance with Feder	al requirements	s)*		··	10. Field and Po	ool, or Exploratory
At surf	face	071501 0 0				<b>3</b> 0-4.			Natural B	
			)23' FWL, S'	wsw		ľ	RECE		11. Sec., T.,R.,N	
At top	prod Interval rej			_		Ī	RECEIV JUL 2 3 20	'ED	Survey or Ar	
	0	124 RS	54 269	TY FW	<u>_</u>	J	1111 22		12. County or Pa	18-10S-20E arish 13. State
At tota			100 FWL, S			:	JOL 2 3 21	לחמ	1	
14. Date S			T.D. Reached		Date Completed	Day o			Uintah	UT
	6/2007			110.			FOIL, GAS &	MAIA II A	17. Elevations (D	DF, RKB, RT, GL)*
1700	12001	1 1	4/13/2007		D&A	Read	dy to prod.	MINING		5106' GL
18 Total D	Depth: MD	8646'	I 10 Plus Basi		8638'		6	/1//2007	L	
10 TOTAL	TVD	8 <b>4</b> 51'	19. Plug Baci	kTD MID TVD			20. Depth Bridg	je Plug Set:	MD	
					<u> –8443 </u>				TVD	
21. Type E	lectric & Other N					22	2. Was well cored	? X No	Yes	(Submit analysis)
	Dual Later	olog, Comp	ensated Neu	utron/Z-Dens	silog		Was DST run?	ΧNο	Yes	(Submit report)
	Gam	ma Ray/Cali	per, Cemen	t Bond Loa			Directional Surv	*******		<del></del>
23. Casing	and Liner Reco						- Directional Surv	ey?	L_No \( \)	Yes (Submit copy)
Hole Size	Size/Grade			T	, Stage Cen	nenter	No. of Sks &	Slurry Vol.	<u> </u>	<del></del>
		Wt.(#/ft)	Top (MD)	Bottom (MD	Depti		Type of Cement	(BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"	48#	Surface	527'		50	00 Sx		Surface	<del></del>
12 1/4"	9 5/8"	36#	Surface	3,523'			55 Sx		Surface	
7 7/8"	5 /2"	17#	Surface	8,642'		69	90 Sx		Est. TOC 3,4	60'
24. Tubing Size	Record Depth Set (	MD) Door	David (MD)	T	T -					
2 3/8"	8317'	IVID) Paci	ker Depth (MD)	Size	Depth Set	(MD)	Packer Depth (ME	)) Size	Depth Set(	MD) Packer Depth (MD)
25. Produci	<u> </u>				26 Dodovati					
	Formation		Тор	Bottom	26. Perforati	erforated li		Size	No Hotes	B (2)
A) Mesav	erde	-	8294'	8368'	8294- 14, 8		ile vai	Size	No. Holes	Perf.Status
B) Wasat	ch		7338'	7402'	7338- 44, 7				94 52	Open
C) Wasat	ch	<del></del>	5687'	5696'	5687- 96	000 02			55	Open
D) Wasat	ch		5234'	5248'	5234- 38, 5	5244- 48	·		50	Open
E)									30	Open
F)			1							
	acture, Treatmer	nt, Cement Sque	eeze, Etc.						<del></del>	
	Depth Interval					Α	mount and Type o	of Material		
8294' - 83 7338' - 74		Frac w/86,63	3# 20/40 Tem	pered LC sd.	w/377.4 mscf	f of N2 ar	nd 871 bbls of Y	F120ST.		
7338 - 74 5687' - 56		Frac w//1,16	/# 20/40 Otta	wa sd. w/238	/ mscf of N2	and 562	bbls of YF120S	Т.		
							bbls of YF115S			
5234' - 52	40	Frac w/31,054	4# 20/40 Otta	wa sd. w/135.	8 mscf of N2	and 326	bbls of YF115S	T.		
		***	·				- <del></del>			
Date First	Test	Hours	Test	IOI IG	as IV	Vater	Oil Gravity	Gas	IDeal and a second	
Produced	Date	Tested	Production			BBL	Corr. API	Gravity	Production Meth	oa
6/17/200	7/15/200	7 24	<b>│</b> —▶	0	775			[,		<b>F</b> 1
Choke	Tbg Press	Csg	24 Hr			18 Vater	Gas Oil	Well Status	<u> </u>	Flowing
Size	Flwg	Press.	Rate	BBL M	l l	BL	Ratio	vven Status		
24	281	417	-	0	775	18			Dec 4.	soina
	fuction - Interval	<del></del>		<u> </u>	,,,,	10			Produ	ıcıng
Date First	Test	Hours	Test	Oil Ga		Vater	Oil Gravity	Gas	Production Meth	od
Produced	Date	Tested	Production	BBL M	CF B	BL	Corr. API	Gravity		
								[		
(See instruct	ions and spaces	for additional da	ata on reverse s	ide)	L			_1		

Date First   Test   Date   Tested   Production   BBL   MCF    Choke   Tbg Press   Csg   24 Hr   Oil   Gas   MCF    Z8c   Production - Interval D   Date First   Date First   Date First   Date First   Date First   Date   Production   BBL   MCF    Choke   Tbg Press   Csg   24 Hr   Oil   Gas   MCF    Choke   Tbg Press   Csg   24 Hr   Oil   Gas   MCF    Choke   Tbg Press   Csg   24 Hr   Oil   Gas   MCF    Z8c   Production - Interval D   Date First   Date   Production   BBL   MCF    Choke   Tbg Press   Csg   24 Hr   Oil   Gas   MCF    Z9c   Disposition of Gas (Sold, used for fuel, venled, etc.)    Sold   30. Summary of Porous Zones (Include Aquifers):    Show all important zones of porosity and contents thereof: Cored intervals and all drill tests, including depth interval tested, cushion used, time tool open, flowing and shut-in and recoveries.    Formation   Top   Bottom   Descritpion, Cont    32. Additional remarks (include plugging procedure)	pressures .'	Wa	Gravity Well Status	uction Method
Size    Flwg   F	Water BBL  Water BBL	Ratio Oil Gravity Corr API Gas Oil Ratio	y Gas Produ Gravity Well Status	
Date First Produced       Test Date       Hours Tested       Test Production BBL.       Gas MCF         Choke Size       Tbg Press Flwg SI       Csg. Press Press BBL.       24 Hir Rate BBL.       MCF         29. Dispostion of Gas (Sold, used for fuel, vented, etc.)       Sold         30. Summary of Porous Zones (Include Aquifers):       Show all important zones of porosity and contents thereof: Cored intervals and all drill tests, including depth interval tested, cushion used, time tool open, flowing and shut-ir and recoveries.         Formation       Top       Bottom       Descritpion, Contents thereof.	BBL Water BBL -stem pressures	Gas Oil Ratio	Gravity  Well Status  Formation (Log) Markers	
Produced  Date  Tested  Production  Production  Date  Tob Press  Size  Tob Press  Press  Press  Press  Press  Press  Press  Press  Press  Dil Gas  MCF  MCF  Sold  30. Summary of Porous Zones (Include Aquifers):  Show all important zones of porosity and contents thereof: Cored intervals and all drill tests, including depth interval tested, cushion used, time tool open, flowing and shut-in and recoveries.  Formation  Top  Bottom  Descritpion, Contents  Desc	BBL Water BBL -stem pressures	Gas Oil Ratio	Gravity  Well Status  Formation (Log) Markers	
Size Flwg. SI Press Rate BBL MCF  29. Disposition of Gas (Sold, used for fuel, vented, etc.)  Sold  30. Summary of Porous Zones (Include Aquifers):  Show all important zones of porosity and contents thereof. Cored intervals and all drill tests, including depth interval tested, cushion used, time tool open, flowing and shut-in and recoveries.  Formation Top Bottom Descritpion, Contents thereof.	-stern pressures	Ratio 31. I	Formation (Log) Markers	
Sold  30. Summary of Porous Zones (Include Aquifers):  Show all important zones of porosity and contents thereof: Cored intervals and all drill tests, including depth interval tested, cushion used, time tool open, flowing and shut-in and recoveries.  Formation Top Bottom Descritpion, Contents thereof: Cored intervals and all drill tests, including depth interval tested, cushion used, time tool open, flowing and shut-in and recoveries.	pressures .'	Wa		
30. Summary of Porous Zones (Include Aquifers):  Show all important zones of porosity and contents thereof: Cored intervals and all drill tests, including depth interval tested, cushion used, time tool open, flowing and shut-in and recoveries.  Formation Top Bottom Descritpion, Cont	pressures .'	Wa		
tests, including depth interval tested, cushion used, time tool open, flowing and shut-in and recoveries.  Formation Top Bottom Descritpion, Conf	pressures .'	Wa		
	ents, etc.		Name	
32. Additional remarks (include plugging procedure)				Top Meas. Depth
		Wa Cha Utel	satch Tongue land Limestone satach apita Wells land Buttes saverde	4314' 4674' 4830' 5680' 6881' 7800'
33. Circle enclosed attachments:				
1. Electrical/Mechanical Logs (1 full set req'd) 2. Geologic Report	3. DS	T Report	4. Directional Survey	
Sundry Notice for plugging and cement verification     6. Core Analysis	7. Oth	ner:		
34. I hereby certify that the foregoing and attached information is complete and correct as o	letermined from	n all availab	ole records (see attached insti	ructions)*
Name (please print) Carla Christian	Title	eS	Supervisor, Regulatory	Reports
Signature (Cola Mustian	Dat	te <u>J</u>	uly 19, 2007	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any persany false, fictitious or fradulent statements or representations as to any matter within its juris				r agency of the United States



# Dominion Exploration & Production Natural Buttes Field Uintah County, Utah

**RBU 30-18F** 

**Section 18, T10S, R20E** 

**FINAL WELL REPORT** 



# **AS DRILLED**

Prepared for:

**RBU 30-18F** 

# **Dominion Exploration & Production**

o n

**Section 18, T10S, R20E** 

**Uintah County, Utah** 



1100

2200

3300

4400

5500

6600

7700

8800

0

True Vertical Depth [1100ft/in]

306

717

1023

0° 540 MD Start Build 3.00

33° 1636 MD Start Hold

33° 2393 MD Start Drop -3.00

Vertical Point

0° 3490 MD Start Hold

Wasatch Tonque

**Uteland Limestone** 

Intermediate

Wasatch

Chapita Wells

### **Dominion Exploration & Production**

Field: Uintah County, Utah Site: RBU 30-18F Well: RBU 30-18F Wellpath: Original Hole Plan: Plan #2



Azimuths to True North Magnetic North: 11.71°

Magnetic Field Strength: 52761nT Dip Angle: 65.89° Date: 1/30/2007 Model: igrf2005

1000



Uintah County, Utah Utah - Natural Buttes USA

Geodetic System: US State Plane Coordinate System 1983

Ellipsoid: GRS 1980 Zone: Utah, Central Zone Magnetic Model: igrf2005

System Datum: Mean Sea Level Local North: True North

West(-)/East(+) [500ft/in]

0

200 400 600 800

SITE DETAILS

RBU 30-18F Sec 18 10S, 20 E Ulntah County, Utah

Site Centre Latitude: 39°56'33.240N Longitude: 109°42'52.160W

Ground Level: 5106,00 Positional Uncertainty: 0.00 Convergence: 1.14

0 South(-)/North(+) [500ft/in] -200 -400 PBHL -600 Vertical Point Original Hole -800

### WELLPATH DETAILS

### Original Hole

Rig: Ref. Datum: Est RKB 5125.00ft Origin +E/-W V.Section Starting From TVD Angle

130.12° 0.00

0.00 0.00

WELL DETAILS

Name +N/-S +E/-W Northing Easting Latitude Longitude Slot RBU 30-18F 0.00 0.007152814.41 2140990.94 39°56'33.240N 109°42'52.160W N/A

Name

Vertical Point

TARGET DETAILS No. TVDPath TVD +N/-S +E/-W Shape 3250.00 8600.00 -659.41 -659.41

MDPath Formation 4354.82 4714.82 4874.82 5764.82 Wasatch Tongue Uteland Limestone Wasatch Chapita Wells Uteland Buttes 4115.00 4475.00 782.64 782.64 Point 23456 4635.00 5525.00 6755.00 6994 82

FORMATION TOP DETAILS

Mesaverde

Mesaverde

Original Hole

2200

**Uteland Buttes** 

SECTION DETAILS

MD +N/-S +E/-W VSec Target DLeg **TFace** 0.00 0.00 32.89 130.12 130.12 130.12 0.00 0.00 -197.26 -462.15 0.00 0.00 540.00 1577.17 0.00 0.00 0.00 540.00 1636.40 2393.45 0.00 234.13 548.52 782.64 0.00 3.00 0.00 3.00 0.00 130.12 0.00 0.00 306.15 717.26 130.12 130.12 2212.87 3250.00 32.89 3489.82 -659.41 180.00 130.12 1023.40 1023.40 Vertical Point 8839.82 130.12 0.00 8600.00 -659.41 PBHL

1100 Vertical Section at 130.12° [1100ft/in]

**PBHL** 

1023

Ryan Energy Technologies 19510 Oil Center Blvd Houston, TX 77073 Ph: 281-443-1414 Fx: 281-443-1676



Date 4:17/2007

Date Date Date



# DIRECTIONAL DRILLING COMPOSITE SURVEY REPORT

Prepared for:

**RBU 30-18F** 

# **Dominion Exploration & Production**

on

**Section 18, T10S, R20E** 

**Uintah County, Utah** 

Report Prepared on 2007

WE HEREBY CERTIFY THAT THE DATA CONTAINED IN THIS RE OUR DIRECTIONAL SUPERVISOR, REPRESENTS TO THE BEST OF THE WELL AT THE TIME THE SURVEY WAS TAKEN.	PORT FROM <u>537'</u> FT. TO <u>8646'</u> FT BY OF OUR KNOWLEDGE, A TRUE AND ACCURATE SURVEY
A Comment of the Comm	4-17-07
CAN TED BY	DATE



### **Ryan Energy Technologies Survey Report**



Company: **Dominion Exploration & Product** 

Field: Uintah County, Utah

Site: Well: Wellpath:

**RBU 30-18F** RBU 30-18F **Original Hole**  4/17/2007

09:37:45 Co-ordinate(NE) Reference:

Well: RBU 30-18F, True North

Est RKB 5125.0

Well (0.00N,0.00E,130.12Azi)

Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:

Minimum Curvature

Sybase

Field: Uintah County, Utah

**Utah - Natural Buttes** 

USA

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Utah, Central Zone

Coordinate System: Geomagnetic Model: Well Centre igrf2005

Site:

**RBU 30-18F** 

Geographic

Sec 18 10S, 20 E UIntah County, Utah

Site Position:

Northing: Easting:

7152814.41 ft 2140990.94 ft

Latitude: Longitude:

39 56 33.240 N 109 42 52.160 W

North Reference:

True

Position Uncertainty: **Ground Level:** 

0.00 ft 5106.00 ft

**Grid Convergence:** 

1.14 deg

Well:

From:

**RBU 30-18F** 

+N/-S +E/-W 0.00 ft Northing: 0.00 ft Easting: 7152814.41 ft 2140990.94 ft Slot Name: Latitude: Longitude:

33.240 N 42 52.160 W

Position Uncertainty:

Wellpath: Original Hole

Well Position:

**Current Datum:** 

Magnetic Data:

Field Strength:

Vertical Section:

0.00 ft

Height 5125.00 ft

Drilled From: Tie-on Depth: Surface 0.00 ft

Est RKB

ft

1/30/2007

0.00

**Above System Datum:** Declination:

Mean Sea Level 11.71 deg

52761 nT

Mag Dip Angle: +E/-W

65.89 deg Direction

Depth From (TVD) +N/-S ft

ft 0.00 deg

130.12

0.00

Survey Program for Definitive Wellpath Date: 4/17/2007 **Actual From** 

Validated: No

Version: Toolcode

**Tool Name** 

3494.00 537.00 7336.00 3703.00

ft

8646.00

Ryan MWD (537.00-3494.00) Survey #2 (3703.00-7336.00) Survey #3 (8646.00-8646.00) MWD SS Projection MWD Single-Shot Projection

8646.00 Survey

ft

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W	VS ft	DLS deg/100f	Build	Turn ft deg/100ft	Tool/Comment
	<u>-</u>									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
537.00	0.00	0.00	537.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
566.00	0.00	41.60	566.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
656.00	1.80	141.80	655.99	-1.11	0.87	1.38	2.00	2.00	0.00	MWD
747.00	4.50	140.10	746.84	-4.97	4.05	6.30	2.97	2.97	-1.87	MWD
838.00	7.20	137.30	837.36	-11.90	10.21	15.48	2.98	2.97	-3.08	MWD
929.00	10.20	136.50	927.30	-21.94	19.62	29.14	3.30	3.30	-0.88	MWD
1019.00	14.90	136.50	1015.12	-36.12	33.08	48.57	5.22	5.22	0.00	MWD
1115.00	17.90	141.10	1107.21	-56.56	50.85	75.33	3.40	3.12	4.79	MWD
1210.00	19.50	139.40	1197.20	-79.97	70.33	105.31	1.78	1.68	-1.79	MWD
1305.00	22.70	138.60	1285.81	-105.76	92.78	139.10	3.38	3.37	-0.84	MWD
1399.00	25.70	138.60	1371.54	-134.66	118.26	177.21	3.19	3.19	0.00	MWD
1495.00	29.80	139.00	1456.48	-168.29	147.69	221.38	4.28	4.27	0.42	MWD
1590.00	31.10	139.40	1538.38	-204.74	179.14	268.92	1.38	1.37	0.42	MWD
1685.00	30.50	139.40	1619.98	-241.67	210.80	316.93	0.63	-0.63	0.00	MWD
1781.00	29.20	138.30	1703.24	-277.66	242.23	364.15	1.47	-1.35	-1.15	MWD
1876.00	29.50	137.30	1786.05	-312.15	273.51	410.29	0.60	0.32	-1.05	MWD
1972.00	30.00	135.10	1869.40	-346.52	306.48	457.66	1.25	0.52	-2.29	MWD
2067.00	29.50	133.70	1951.88	-379.51	340.16	504.66	0.90	-0.53	-1.47	MWD
2162.00	29.80	132.70	2034.44	-411.67	374.42	551.59	0.61	0.32	-1.05	MWD
2258.00	28.30	133.40	2118.36	-443.49	408.48	598.14	1.60	-1.56	0.73	MWD



### **Ryan Energy Technologies Survey Report**



Company: Dominion Exploration & Product

Field: Uintah County, Utah

RBU 30-18F RBU 30-18F Site: Well: Wellpath: Original Hole Date: 4/17/2007

Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:

Time: 09:37:45

Well: RBU 30-18F, True North

Est RKB 5125.0 Well (0.00N,0.00E,130.12Azi)

Minimum Curvature Db: Sybase

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100f	Build t deg/100	Turn ft deg/100ft	Tool/Comment
2353.00	25.60	133.40	2203.04	-473.07	439.76	641.12	2.84	-2.84	0.00	MWD
2447.00	24.50	130.60	2288.20	-499.71	469.32	680.89	1.72	-1.17	-2.98	MWD
2543.00	21.20	130.60	2376.65	-523.96	497.62	718.16	3.44	-3.44	0.00	MWD
2638.00	18.50	127.10	2466.00	-544.24	522.69	750.40	3.10	-2.84	-3.68	MWD
2734.00	16.40	123.50	2557.58	-560.91	546.14	779.07	2.46	-2.19	-3.75	MWD
2829.00	15.00	120.40	2649.04	-574.53	567.93	804.51	1.72	-1.47	-3.26	MWD
2924.00	14.00	113.30	2741.02	-585.30	589.09	827.63	2.15	-1.05	-7.47	MWD
3020.00	11.10	105.30	2834.72	-592.33	608.67	847.14	3.52	-3.02	-8.33	MWD
3209.00	9.20	106.70	3020.75	-601.48	640.70	877.52	1.01	-1.01	0.74	MWD
3304.00	6.80	103.50	3114.82	-604.97	653.44	889.52	2.57	-2.53	-3.37	MWD
3399.00	5.50	103.50	3209.27	-607.35	663.34	898.62	1.37	-1.37	0.00	MWD
3494.00	5.00	107.00	3303.87	-609.62	671.72	906.50	0.62	-0.53	3.68	MWD
3703.00	4.00	118.00	3512.23	-615.71	686.87	922.00	0.63	-0.48	5.26	SS
4248.00	4.00	190.00	4056.21	-643.37	700.36	950.14	0.86	0.00	13.21	SS
5225.00	2.00	130.00	5032.02	-687.90	707.51	984.30	0.35	-0.20	-6.14	20
6240.00	2.00	230.00	6046.64	-710.67	707.51	998.97	0.30	0.20		SS
7336.00	2.00	220.00	7141.98	-737.62	680.56	995.73			9.85	SS
8646.00	2.00	220.00	8451.18	-772.64			0.03	0.00	-0.91	SS
30.00	2.00	220.00	0431.10	-112.04	651.18	995.82	0.00	0.00	0.00	PROJECTED to TD



# **SURVEY REPORT - GEOGRAPHIC**

Prepared for:

**RBU 30-18F** 

# **Dominion Exploration & Production**

on

**Section 18, T10S, R20E** 

**Uintah County, Utah** 



### Ryan Energy Technologies Survey Report - Geographic



Company: **Dominion Exploration & Product** 

Uintah County, Utah Field: Site: **RBU 30-18F** 

**RBU 30-18F** Well: Wellpath: Original Hole

4/17/2007 Date:

Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:

Time: 09:39:16

Page: Well: RBU 30-18F, True North

Est RKB 5125.0 Well (0.00N, 0.00E, 130.12Azi)

Minimum Curvature Db: Sybase

Field: Uintah County, Utah

Utah - Natural Buttes

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Utah, Central Zone

Coordinate System: Geomagnetic Model: Well Centre igrf2005

**RBU 30-18F** 

Sec 18 10S, 20 E Ulntah County, Utah

Site Position: From:

Geographic Position Uncertainty: 0.00 ft

Northing: 7152814.41 ft 2140990.94 ft Easting:

Latitude: Longitude:

39 56 33.240 N 109 42 52.160 W

North Reference:

True

5106.00 ft Ground Level:

**Grid Convergence:** Slot Name:

1.14 deg

Well: **RBU 30-18F** 

Well Position: +E/-W 0.00 ft 0.00 ft 7152814.41 ft 2140990.94 ft

Latitude:

39 56 33.240 N

Position Uncertainty:

0.00 ft

Longitude:

42 109 52.160 W

Wellpath:

Northing:

Easting:

**Drilled From:** Tie-on Depth:

Surface 0.00 ft

**Current Datum:** Est RKB Magnetic Data: 1/30/2007 Field Strength:

52761 nT

Height 5125.00 ft **Above System Datum:** Declination:

Mean Sea Level 11.71 deg 65.89 deg

Depth From (TVD) Vertical Section: ft

Original Hole

+N/-S ft

Mag Dip Angle: +E/-W ft

Direction deg

0.00 0.00 130.12

Survey Program for Definitive Wellpath

Date: 4/17/2007 Validated: No **Actual From** To Survey ft

Version: Toolcode

**Tool Name** 

537.00 3494.00 Ryan MWD (537.00-3494.00) 3703.00 7336.00 Survey #2 (3703.00-7336.00) 8646.00 8646.00 Survey #3 (8646.00-8646.00)

0.00

MWD SS Projection MWD Single-Shot Projection

Survey

MID ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Deg Mir	ritude> 1 Sec	C— Lor Deg Min	ngitude> n Sec
0.00	0.00	0.00	0.00	0.00	0.00	7152814.41	2140990.94	39 56	33.240 N	109 42	52.160 W
537.00	0.00	0.00	537.00	0.00	0.00	7152814.41	2140990.94	39 56	33.240 N	109 42	52.160 W
566.00	0.00	41.60	566.00	0.00	0.00	7152814.41	2140990.94	39 56	33.240 N	109 42	52.160 W
656.00	1.80	141.80	655.99	-1.11	0.87	7152813.32	2140991.84	39 56	33.229 N	109 42	52.149 W
747.00	4.50	140.10	746.84	-4.97	4.05	7152809.52	2140995.09	39 56	33.191 N	109 42	52.108 W
838.00	7.20	137.30	837.36	-11.90	10.21	7152802.72	2141001.38	39 56	33.122 N	109 42	52.029 W
929.00	10.20	136.50	927.30	-21.94	19.62	7152792.87	2141011.00	39 56	33.023 N	109 42	51.908 W
1019.00	14.90	136.50	1015.12	-36.12	33.08	7152778.96	2141024.74	39 56	32.883 N	109 42	51.735 W
1115.00	17.90	141.10	1107.21	-56. <b>5</b> 6	50.85	7152758.88	2141042.91	39 56	32.681 N	109 42	51.507 W
1210.00	19.50	139.40	1197.20	-79.97	70.33	7152735.87	2141062.86	39 56	32.450 N	109 42	51.257 W
1305.00	22.70	138.60	1285.81	-105.76	92.78	7152710.53	2141085.81	39 56	32.195 N	109 42	50.969 W
1399.00	25.70	138.60	1371.54	-134.66	118.26	7152682.14	2141111.86	39 56	31.909 N	109 42	50.642 W
1495.00	29.80	139.00	1456.48	-168.29	147.69	7152649.10	2141141.96	39 56	31.577 N	109 42	50.264 W
1590.00	31.10	139.40	1538.38	-204.74	179.14	7152613.29	2141174.14	39 56	31.216 N	109 42	49.860 W
1685.00	30.50	139.40	1619.98	-241.67	210.80	7152577.00	2141206.52	39 56	30.851 N	109 42	49.453 W
1781.00	29.20	138.30	1703.24	-277.66	242.23	7152541.65	2141238.67	39 56	30.496 N	109 42	49.050 W
1876.00	29.50	137.30	1786.05	-312.15	273.51	7152507.79	2141270.63	39 56	30.155 N	109 42	48.648 W
1972.00	30.00	135.10	1869.40	-346.52	306.48	7152474.08	2141304.28	39 56	29.815 N	109 42	48.225 W
2067.00	29.50	133.70	1951.88	-379.51	340.16	7152441.77	2141338.61	39 56	29.489 N	109 42	47.792 W
2162.00	29.80	132.70	2034.44	-411.67	374.42	7152410.30	2141373.50	39 56	29.171 N	109 42	47.732 W



# **Ryan Energy Technologies** Survey Report - Geographic



Field:

Company: Dominion Exploration & Product

Uintah County, Utah

RBU 30-18F RBU 30-18F Site: Well: Wellpath: Original Hole Date: 4/17/2007

Co-ordinate(NE) Reference:

Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:

Time: 09:39:16

Page: Well: RBU 30-18F, True North

Est RKB 5125.0 Well (0.00N,0.00E,130.12Azi)

Minimum Curvature

Db: Sybase

|--|

MD ft	<b>inci</b> deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	C Lat Deg Min	itude> Sec	<- Lor Deg Mir	ngitude> n Sec
2258.00	28.30	133.40	2118.36	-443.49	408.48	7152379.17	2141408.20	39 56	28.857 N	109 42	46.915 W
2353.00	25.60	133.40	2203.04	-473.07	439.76	7152350.22	2141440.06	39 56	28.564 N	109 42	46.513 W
2447.00	24.50	130.60	2288.20	-499.71	469.32	7152324.17	2141470.14	39 56	28.301 N	109 42	46.134 W
2543.00	21.20	130.60	2376.65	-523.96	497.62	7152300.49	2141498.92	39 56	28.061 N	109 42	45.771 W
2638.00	18.50	127.10	2466.00	-544.24	522.69	7152280.72	2141524.39	39 56	27.861 N	109 42	45.449 W
2734.00	16.40	123.50	2557.58	-560.91	546.14	7152264.52	2141548.17	39 56	27.696 N	109 42	45.148 W
2829.00	15.00	120.40	2649.04	-574.53	567.93	7152251.33	2141570.23	39 56	27.562 N	109 42	44.868 W
2924.00	14.00	113.30	2741.02	-585.30	589.09	7152240.99	2141591.60	39 56	27.455 N	109 42	44.596 W
3020.00	11.10	105.30	2834.72	-592.33	608.67	7152234.35	2141611.32	39 56	27.386 N	109 42	44.345 W
3209.00	9.20	106.70	3020.75	-601.48	640.70	7152225.85	2141643.52	39 56	27.295 N	109 42	43.934 W
3304.00	6.80	103.50	3114.82	-604.97	653.44	7152222.60	2141656.33	39 56	27.261 N	109 42	43.770 W
3399.00	5.50	103.50	3209.27	-607.35	663.34	7152220.43	2141666.27	39 56	27.237 N	109 42	43.643 W
3494.00	5.00	107.00	3303.87	-609.62	671.72	7152218.32	2141674.70	39 56	27.215 N	109 42	43.535 W
3703.00	4.00	118.00	3512.23	-615.71	686.87	7152212.54	2141689.97	39 56	27.155 N	109 42	43.341 W
4248.00	4.00	190.00	4056.21	-643.37	700.36	7152185.15	2141704.01	39 56	26.881 N	109 42	43.167 W
5225.00	2.00	130.00	5032.02	-687.90	707.51	7152140.78	2141712.04	39 56	26.441 N	109 42	43.076 W
6240.00	2.00	230.00	6046.64	-710.67	707.51	7152118.01	2141712.49	39 56	26.216 N	109 42	43.076 W
7336.00	2.00	220.00	7141.98	-737.62	680.56	7152090.53	2141686.09	39 56	25.950 N	109 42	
8646.00	2.00	220.00	8451.18	-772.64	651.18	7152054.93	2141657.41	39 56	25.604 N	109 42	43.422 W 43.799 W

Transported as so mark may break and



# **SURVEY REPORT - CLOSURE**

Prepared for:

**RBU 30-18F** 

# **Dominion Exploration & Production**

on

**Section 18, T10S, R20E** 

**Uintah County, Utah** 



### Ryan Energy Technologies **Survey Report (Closure)**



Company: **Dominion Exploration & Product** 

Field: Uintah County, Utah Site:

RBU 30-18F RBU 30-18F Well: Original Hole Wellpath:

4/17/2007 Date:

Vertical (TVD) Reference:

Time: 09:40:29 Co-ordinate(NE) Reference:

Page: Well: RBU 30-18F, True North

Est RKB 5125.0 Well (0.00N, 0.00E, 130, 12Azi)

Section (VS) Reference: Survey Calculation Method: Minimum Curvature

Db: Sybase

Field: Uintah County, Utah

Utah - Natural Buttes

USA

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Utah, Central Zone

Coordinate System: Well Centre Geomagnetic Model: igrf2005

Site:

**RBU 30-18F** 

Sec 18 10S, 20 E UIntah County, Utah

Site Position: From: Geographic Northing:

7152814.41 ft

Latitude:

39 56 33.240 N

Easting: 0.00 ft

2140990.94 ft

Longitude:

109 42 52.160 W

North Reference: **Grid Convergence:** 

True

Position Uncertainty: **Ground Level:** 

5106.00 ft

Slot Name:

1.14 deg

Well: **RBU 30-18F** 

Well Position:

+E/-W

Northing: 0.00 ft 0.00 ft Easting:

7152814.41 ft 2140990.94 ft

Latitude: Longitude:

33.240 N 39 56

**Position Uncertainty:** 

**Current Datum:** 

Magnetic Data:

Field Strength:

Vertical Section:

0.00 ft

52761 nT

109 42 52.160 W

Wellpath: Original Hole

Est RKB

Height 5125.00 ft 1/30/2007

**Drilled From:** Tie-on Depth: Surface 0.00 ft

**Above System Datum:** 

Mean Sea Level

**Declination:** Mag Dip Angle:

11.71 deg 65.89 deg

Depth From (TVD) ft

+N/-S ft

+E/-W ft

Direction deg

130.12

0.00 0.00 0.00

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	ClsD	ClsA	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
537.00	0.00	0.00	537.00	0.00	0.00	0.00	0.00	0.00	0.00	
566.00	0.00	41.60	566.00	0.00	0.00	0.00	0.00	0.00	0.00	
656.00	1.80	141.80	655.99	-1.11	0.87	1.38	2.00	1.41	141.80	
747.00	4.50	140.10	746.84	-4.97	4.05	6.30	2.97	6.41	140.85	
838.00	7.20	137.30	837.36	-11.90	10.21	15.48	2.98	15.68	139.39	
929.00	10.20	136.50	927.30	-21.94	19.62	29.14	3.30	29.44	138.19	
1019.00	14.90	136.50	1015.12	-36.12	33.08	48.57	5.22	48.98	137.52	
1115.00	17.90	141.10	1107.21	-56.56	50.85	75.33	3.40	76.06	138.05	
1210.00	19.50	139.40	1197.20	-79.97	70.33	105.31	1.78	106.50	138.67	
1305.00	22.70	138.60	1285.81	-105.76	92.78	139.10	3.38	140.69	138.74	
1399.00	25.70	138.60	1371.54	-134.66	118.26	177.21	3.19	179.22	138.71	
1495.00	29.80	139.00	1456.48	-168.29	147.69	221.38	4.28	223.91	138.73	
1590.00	31.10	139.40	1538.38	-204.74	179.14	268.92	1.38	272.05	138.81	
1685.00	30.50	139.40	1619.98	-241.67	210.80	316.93	0.63	320.69	138.90	
1781.00	29.20	138.30	1703.24	-277.66	242.23	364.15	1.47	368.47	138.90	
1876.00	29.50	137.30	1786.05	-312.15	273.51	410.29	0.60	415.03	138.77	
1972.00	30.00	135.10	1869.40	-346.52	306.48	457.66	1.25	462.61	138.51	
2067.00	29.50	133.70	1951.88	-379.51	340.16	504.66	0.90	509.64	138.13	
2162.00	29.80	132.70	2034.44	-411.67	374.42	551.59	0.61	556.47	137.71	
2258.00	28.30	133.40	2118.36	-443.49	408.48	598.14	1.60	602.94	137.35	
2353.00	25.60	133.40	2203.04	-473.07	439.76	641.12	2.84	645.90	137.09	
2447.00	24.50	130.60	2288.20	-499.71	469.32	680.89	1.72	685.54	136.80	
2543.00	21.20	130.60	2376.65	-523.96	497.62	718.16	3.44	722.61	136.48	
2638.00	18.50	127.10	2466.00	-544.24	522.69	750.40	3.10	754.59	136.16	
2734.00	16.40	123.50	2557.58	-560.91	546.14	779.07	2.46	782.87	135.76	
2829.00	15.00	120.40	2649.04	-574.53	567.93	804.51	1.72	807.86	135.33	
2924.00	14.00	113.30	2741.02	-585.30	589.09	827.63	2.15	830.42	134.82	



# **Ryan Energy Technologies** Survey Report (Closure)



Company: Dominion Exploration & Product

Field:

Uintah County, Utah

Site: Well:

RBU 30-18F RBU 30-18F Wellpath: Original Hole

4/17/2007 Date:

Co-ordinate(NE) Reference:

Vertical (TVD) Reference: Section (VS) Reference: **Survey Calculation Method:** 

Time: 09:40:29

Well: RBU 30-18F, True North

Est RKB 5125.0 Well (0.00N,0.00E,130.12Azi)

Minimum Curvature

Db: Sybase

MD ft	Inci deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Comment
3020.00	11.10	105.30	2834.72	-592.33	608.67	847.14	3.52	849.32	134.22	
3209.00	9.20	106.70	3020.75	-601.48	640.70	877.52	1.01	878.79	133.19	
3304.00	6.80	103.50	3114.82	-604.97	653.44	889.52	2.57	890.49	132.79	
3399.00	5.50	103.50	3209.27	-607.35	663.34	898.62	1.37	899.38	132.48	
3494.00	5.00	107.00	3303.87	-609.62	671.72	906.50	0.62	907.11	132.23	
3703.00	4.00	118.00	3512.23	-615.71	686.87	922.00	0.63	922.44	131.87	
4248.00	4.00	190.00	4056.21	-643.37	700.36	950.14	0.86	951.01	132.57	
5225.00	2.00	130.00	5032.02	-687.90	707.51	984.30	0.35	986.80	134.19	
6240.00	2.00	230.00	6046.64	-710.67	707.51	998.97	0.30	1002.81	135.13	
7336.00	2.00	220.00	7141.98	-737.62	680.56	995.73	0.03	1003.62	137.30	
8646.00	2.00	220.00	8451.18	-772.64	651.18	995.82	0.00	1010.45	139.88	

# Division of Oil, Gas and Mining

### **OPERATOR CHANGE WORKSHEET**

1. DJJ

	*						Z. CDW
X - Change of Operator (Well Solo	l)		Opera	tor Name	Change/Merg	er	
The operator of the well(s) listed below has	changed, effectiv	e:			7/1/2007		
FROM: (Old Operator):			<b>TO:</b> ( New O	perator):			
N1095-Dominion Exploration & Production, I	nc		N2615-XTO E	nergy Inc			
14000 Quail Springs Parkway, Suite 60	00		810 Ho	ouston St			
Oklahoma City, OK 73134			Fort W	orth, TX 76	5102		
Phone: 1 (405) 749-1300			Phone: 1 (817)	870-2800			
CA	No.		Unit:	<del></del>	RIVER I	BEND	
WELL NAME	SEC TWN	RNG	<u>,</u>	ENTITY	LEASE TYPE		WELL
				NO		TYPE	STATUS
SEE ATTACHED LIST							
OPERATOR CHANGES DOCUME Enter date after each listed item is complete 1. (R649-8-10) Sundry or legal documentation	ed	rom the	FODMED one	erator on:	8/6/2007		
· · · · · · · · · · · · · · · · · · ·			_		8/6/2007	-	
, ,			-			-	8/6/2007
3. The new company was checked on the <b>De</b>		mnerce		_			8/0/2007
4a. Is the new operator registered in the Stat		<del></del>	Business Numl	ber:	5655506-0143	-	
4b. If <b>NO</b> , the operator was contacted contact			THE PART A CE				
5a. (R649-9-2)Waste Management Plan has be			IN PLACE	_			
5b. Inspections of LA PA state/fee well sites of			n/a	÷ .			
5c. Reports current for Production/Disposition	n & Sundries on:		ok	_			
6. Federal and Indian Lease Wells: The	ne BLM and or th	e BIA l	has approved the	e merger, na	me change,		
or operator change for all wells listed on I	Federal or Indian	leases o	on:	BLM	_	BIA	-
7. Federal and Indian Units:							
The BLM or BIA has approved the succ				:		•	
8. Federal and Indian Communization	-		•				
The BLM or BIA has approved the open							•
9. Underground Injection Control ("V	,				orm 5, Transfer	of Autho	ority to
Inject, for the enhanced/secondary recover	ery unit/project fo	r the wa	ater disposal we	ell(s) listed o	on:		-
DATA ENTRY:							
1. Changes entered in the Oil and Gas Data		~	9/27/2007	_	0/05/0005		
2. Changes have been entered on the Month	ly Operator Cha	inge Sp			9/27/2007	-	
<ol> <li>Bond information entered in RBDMS on:</li> <li>Fee/State wells attached to bond in RBDM</li> </ol>	AS on:		9/27/2007	<u></u>			
			9/27/2007	_			
<ul><li>Injection Projects to new operator in RBL</li><li>Receipt of Acceptance of Drilling Proced</li></ul>		x on.	9/2//2007	9/27/2007			
BOND VERIFICATION:	ures 101 111 2/1101			<u> </u>	-		
1. Federal well(s) covered by Bond Number	•		UTB000138				
<ol> <li>I edefai well(s) covered by Bond Number:</li> </ol>	•		n/a	_			
3a. (R649-3-1) The <b>NEW</b> operator of any st	ate/fee well(s) lis	ted cov	<del></del>	– lumber	104312762		
3b. The <b>FORMER</b> operator has requested a				1/23/2008		-	
The Division sent response by letter on:	. I I I I I I I I I I I I I I I I I I I			1. 20, 2000	•		
I FACE INTEDEST OWNED NOT	IEICATION.			····	<del> </del>		

4. (R649-2-10) The NEW operator of the fee wells has been contacted and informed by a letter from the Division

of their responsibility to notify all interest owners of this change on:

COMMENTS:

STATE OF UTAH	FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER:
	SEE ATTACHED
2. NAME OF OPERATOR:  XTO Energy Inc.  N36/15	9. API NUMBER:
XTO Energy Inc. /V & V / S / S / S / S / S / S / S / S / S /	SEE ATTACHED  10. FIELD AND POOL, OR WILDCAT:
CITY Fort Worth STATE TX ZIP 76102 (817) 870-2800	Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED	соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
☐ CHANGE TO PREVIOUS PLANS ✓ OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volum	nes etc
Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachmen	
Effective July 1, 2007, ATO Effergy flic. has purchased the wells listed on the attachmen	at nom:
Dominion Exploration & Production, Inc. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134	
James D. Abercrombie Sr. Vice President, General Manager - Western Business Unit	
Please be advised that XTO Energy Inc. is considered to be the operator on the attached under the terms and conditions of the lease for the operations conducted upon the lease is provided by Nationwide BLM Bond #104312750 and Department of Natural Resource	lands. Bond coverage
NAME (PLEASE PRINT) Edwin S. Ryan, Jr., TITLE Sr. Vice Preside	nt - Land Administration
SIGNATURE Elven & Lynn, In DATE 7/31/2007	
This space for State use only)	PECEIVED

APPROVED 9131107

Carlene Russell

Division of Oil, Gas and Mining

Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

AUG 0 6 2007

DIV. OF OIL, GAS & MINING

### RIVER BEND UNIT

api .	well name	qtr_qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304730087	OSCU 2	NWSE	03	<del></del>		U-037164	<del></del>	Federal	GW	P
4304730266	RBU 11-18F	NESW	18	100S	200E	U-013793	7050	Federal	GW	P
4304730374	RBU 11-13E	NESW	13	100S	190E	U-013765	7050	Federal	GW	P
4304730375	RBU 11-15F	NESW	15	100S	200E	U-7206	7050	Federal	GW	P
4304730376	RBU 7-21F	SWNE	21	100S	200E	U-013793-A	<del></del>	Federal	GW	
4304730405	RBU 11-19F	NESW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304730408	RBU 11-10E	NESW	10	100S	190E	U-013792	7050	Federal	GW	P
4304730410	RBU 11-14E	NESW	14	100S	190E	U-013792	7050	Federal	<del></del>	
4304730411	RBU 11-23E	NESW	23	100S	190E	U-013766	7050	Federal	GW	P
4304730412	RBU 11-16F	NESW	16	100S	200E	U-7206	7050	Federal	GW	P
4304730585	RBU 7-11F	SWNE	11	100S	200E	U-01790	7050	Federal	GW	P
4304730689	RBU 11-3F	NESW	03	100S	200E	U-013767	7050	Federal	GW	P
4304730720	RBU 7-3E	SWNE	03	100S	190E	U-013765	7050	Federal	GW	P
4304730759	RBU 11-24E	NESW	24	100S	190E	U-013794	7050	Federal	GW	P
4304730761	RBU 7-10F	SWNE	10	100S	200E	U-7206	7050	Federal	GW	P
4304730762	RBU 6-20F	SENW	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304730768	RBU 7-22F	SWNE	22	100S	200E	14-20-H62-2646	7050	Indian	GW	P
4304730887	RBU 16-3F	SESE	03	100S	200E	U-037164	7050	Federal	GW	P
4304730915	RBU 1-15E	NENE	15	100S	190E	U-013766	7050	Federal	GW	P
4304730926	RBU 1-14E	NENE	14	100S	190E	U-013792	7050	Federal	GW	P
4304730927	RBU 1-22E	NENE	22	100S	190E	U-013792	7050	Federal	GW	P
4304730970	RBU 1-23E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P
4304730971	RBU 4-19F	NWNW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304730973	RBU 13-11F	SWSW	11	100S	200E	U-7206	7050	Federal	WD	A
4304731046	RBU 1-10E	NWNE	10	100S	190E	U-013792	7050	Federal	GW	S
4304731115	RBU 16-16F	SESE	16	100S	200E	U-7206	7050	Federal		P
4304731140	RBU 12-18F	NWSW	18	100S	200E	U-013793	7050	Federal		
4304731141	RBU 3-24E	NENW	24	100S	190E	U-013794		Federal	GW	P
4304731143	RBU 3-23E	NENW	23			U-013766		Federal	GW	P
4304731144	RBU 9-23E	NESE	23			U-013766		Federal	GW	
4304731145	RBU 9-14E	NESE	14			U-013792		Federal	GW	
4304731160	RBU 3-15E	NENW	15			U-013766		Federal	GW	
4304731161	RBU 10-15E	NWSE	15			U-013766	the second second second second	Federal		
4304731176	RBU 9-10E	NESE	10	4		U-013792		Federal		
4304731196	RBU 3-14E	SENW	14		ļ	U-013792		Federal	- ·	
4304731252	RBU 8-4E	SENE	04			U-013792		Federal		
4304731322	RBU 1-19F	NENE	19	· · · · · · · · · · · · · · · · · · ·	<del></del>	U-013769-A		Federal		
4304731323	RBU 5-10E	SWNW	10		ļ	U-013792		Federal		
4304731369	RBU 3-13E	NENW	13			U-013765		Federal		
4304731518	RBU 16-3E	SESE	03			U-035316		Federal		
4304731519	RBU 11-11F	NESW	11			U-7206	4	Federal		
4304731520	RBU 1-17F	NENE	17	ļ		U-013769-B	1	Federal		
4304731605	RBU 9-13E	NESE	13			U-013765		Federal		
4304731606	RBU 3-22E	NENW	22_			U-013792	<del></del>	Federal		
4304731607	RBU 8-24E	SENE	24			U-013794	<del> </del>	Federal		<del></del>
4304731608	RBU 15-18F	SWSE	18	100S	200E	U-013794	7050	Federal	GW	P

# RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304731613	RBU 5-11F	SWNW	11			U-7206		Federal		P
4304731615	RBU 4-22F	NWNW	22	100S	200E	U-0143521-A	<del> </del>	Federal	GW	S
4304731652	RBU 6-17E	SWNW	17			U-03535		Federal		
4304731715	RBU 5-13E	SWNW	13	100S	190E	U-013765		Federal		
4304731717	RBU 13-13E	SWSW	13	100S	190E	U-013765	<del></del>	Federal		
4304731739	RBU 9-9E	NESE	09	<u> </u>	<del></del>	U-03505		Federal		
4304732033	RBU 13-14E	SWSW	14	100S	190E	U-013792		Federal		1
4304732037	RBU 11-3E	NESW	03	<u> </u>		U-013765		Federal		
4304732038	RBU 6-18F	SENW	18	100S	200E	U-013769		Federal	· · · · · · · · · · · · · · · · · · ·	1
4304732040	RBU 15-24E	SWSE	24	100S	190E	U-013794		Federal		P
4304732041	RBU 5-14E	SWNW	14	100S	190E	U-013792	7050	Federal	GW	P
4304732050	RBU 12-20F	NWSW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732051	RBU 7-13E	SWNE	13	100S	190E	U-013765	7050	Federal	GW	P
4304732070	RBU 16-19F	SESE	19	100S	200E	U-013769-A	7050	Federal	WD	A
4304732071	RBU 9-22E	NESE	22	100S	190E	U-013792	7050	Federal	GW	P
4304732072	RBU 15-34B	SWSE	34	090S	190E	U-01773	7050	Federal	GW	P
4304732073	RBU 11-15E	NESW	15	100S	190E	U-013766	7050	Federal	GW	P
4304732074	RBU 13-21F	SWSW	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732075	RBU 10-22F	NWSE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304732081	RBU 9-20F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732082	RBU 15-23E	SWSE	23	100S	190E	U-013766	7050	Federal	GW	P
4304732083	RBU 13-24E	SWSW	24	100S	190E	U-013794	7050	Federal	GW	P
4304732095	RBU 3-21E	NENW	21	100S	190E	U-013766	7050	Federal	GW	P
4304732103	RBU 15-17F	SWSE	17	100S	200E	U-013769-C	7050	Federal		P
4304732105	RBU 13-19F	SWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304732107	RBU 1-21E	NENE	21			U-013766	7050	Federal		
4304732128	RBU 9-21E	NESE	21	100S	190E	U-013766		Federal		
4304732129	RBU 9-17E	NESE	17	100S	190E	U-03505		Federal	4	
4304732133	RBU 13-14F	SWSW	14			U-013793-A		Federal		P
4304732134	RBU 9-11F	NESE	11			U-7206	<del></del>	Federal		P
4304732138	RBU 5-21F	SWNW	21			U-013793		Federal		P
4304732146	RBU 1-20E	NENE	20	1		U-03505		Federal		P
4304732149	RBU 8-18F	SENE	18			U-013769		Federal		
4304732153	RBU 13-23E	SWSW	23			U-13766	·	Federal		
4304732154	RBU 5-24E	SWNW	24	ļ		U-013794		Federal		
4304732156	RBU 5-14F	SWNW	14			U-013793A		Federal		
4304732166	RBU 7-15E	SWNE	15			U-013766		Federal		
4304732167	RBU 15-13E	SWSE	13	+		U-013765		Federal		
4304732189	RBU 13-10F	SWSW	10			14-20-H62-2645		Indian	GW	
4304732190	RBU 15-10E	SWSE	10		·	U-013792		Federal	*	
4304732191	RBU 3-17FX	NENW	17			U-013769-C		Federal		
4304732197	RBU 13-15E	SWSW	15	<del> </del>		U-013766		Federal		
4304732198	RBU 7-22E	SWNE	22			U-013792	1	Federal		
4304732199	RBU 5-23E	SWNW	23		1	U-013766		Federal		
4304732201	RBU 13-18F	SWSW	18		1	U-013793		Federal		
4304732211	RBU 15-15E	SWSE	15	100S	190E	U-013766	7050	Federal	GW	P

2 09/27/2007

# RIVER BEND UNIT

api	well name	qtr_qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304732213	RBU 5-19F	SWNW	19			U-013769-A		Federal	GW	
4304732217	RBU 9-17F	NESE	17	100S	200E	U-013769-C		Federal	·	
4304732219	RBU 15-14E	SWSE	14			U-013792			GW	
4304732220	RBU 5-3E	SWNW	03	<del> </del>		U-03505		Federal	GW	
4304732228	RBU 9-3E	NESE	03			U-035316		Federal	GW	
4304732239	RBU 7-14E	SWNE	14	1		U-103792		Federal	GW	
4304732240	RBU 9-14F	NESE	14			U-013793-A		Federal	GW	
4304732242	RBU 5-22E	SWNW	22	<del> </del>		U-013792			GW	
4304732263	RBU 8-13E	SENE	13	1		U-013765			GW	1
4304732266	RBU 9-21F	NESE	21	4		U-0143520-A			GW	
4304732267	RBU 5-10F	SWNW	10	<b></b>	<u> </u>	U-7206		Federal	GW	
4304732268	RBU 9-10F	NESE	10			U-7206			GW	
4304732269	RBU 4-15F	NWNW	15			INDIAN		Indian	GW	
4304732270	RBU 14-22F	SESW	22			U-0143519			GW	
4304732276	RBU 5-21E	SWNW	21	·		U-013766			GW	
4304732289	RBU 7-10E	SWNE	10			U-013792	7050	Federal	GW	P
4304732290	RBU 5-17F	SWNW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304732293	RBU 3-3E	NENW	03	100S	190E	U-013765	7050	Federal	GW	P
4304732295	RBU 13-22E	SWSW	22	100S	190E	U-013792	7050	Federal	GW	P
4304732301	RBU 7-21E	SWNE	21	100S	190E	U-013766		Federal		
4304732309	RBU 15-21F	SWSE	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732310	RBU 15-20F	SWSE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732312	RBU 9-24E	NESE	24	100S	190E	U-013794	7050	Federal	GW	P
4304732313	RBU 3-20F	NENW	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304732315	RBU 11-21F	NESW	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732317	RBU 15-22E	SWSE	22	100S	190E	U-013792	7050	Federal		
4304732328	RBU 3-19FX	NENW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304732331	RBU 2-11F	NWNE	11	100S	200E	U-01790	7050	Federal	GW	P
4304732347	RBU 3-11F	NENW	11	100S	200E	U-7206	7050	Federal		
4304732391	RBU 2-23F	NWNE	23	100S	200E	U-013793-A	1	Federal		
4304732392	RBU 11-14F	NESW	14			U-013793-A	7050	Federal		4
4304732396	RBU 3-21F	NENW	21			U-013793-A		Federal		<del></del>
4304732407	RBU 15-14F	SWSE	14	<del></del>		U-013793-A		Federal		
4304732408	RBU 4-23F	NWNW	23	<del></del>		U-013793-A		Federal		
4304732415	RBU 3-10EX (RIG SKID)	NENW	10		<del> </del>	UTU-035316		Federal		
4304732483	RBU 5-24EO	SWNW	24			U-013794		Federal		
4304732512	RBU 8-11F	SENE	11			U-01790		Federal		
4304732844	RBU 15-15F	SWSE	15			14-20-H62-2646		Indian	GW	
4304732899	RBU 3-14F	NENW	14	<del>                                     </del>	-	U-013793-A		Federal		
4304732900	RBU 8-23F	SENE	23			U-013793-A		Federal		
4304732901	RBU 12-23F	NWSW	23		4	U-01470-A		Federal		
4304732902	RBU 1-15F	NENE	15			U-7260		Federal		
4304732903	RBU 3-15F	NENW	15		<del></del>	U-7260		Federal		
4304732904	RBU 9-15F	NESE	15			U-7260		Federal		
4304732934	RBU 3-10F	NENW	10			U-7206		Federal		
4304732969	RBU 11-10F	NESW	10	100S	200E	U-7206	7050	Federal	GW	P

3 09/27/2007

# RIVER BEND UNIT

api	well name	atr atr	sec	twp	rna	lease num	entity	Lease	11/011	stat
4304732970	RBU 12-15F	qtr_qtr NWSW	15	-	mg	U-7206	<del></del>	Federal	GW	
4304732970		SWSE	16		<del>                                     </del>	U-7206	<del></del>		GW	
	RBU 15-16F						<del>                                     </del>			
4304732972	RBU 1-21F	NENE	21	1		U-013793-A			GW	
4304732989	RBU 13-10E	SWSW	10			U-013792	<del> </del>		GW	
4304732990	RBU 13-18F2	SWSW	18			U-013793			GW	
4304732991	RBU 6-19F	SENW	19			U-013769-A	<del></del>		GW	
4304733033	RBU 7-23E	NWNE	23			U-013766	<del></del>	+	GW	
4304733034	RBU 9-18F	NESE	18	ļ		U-013794			GW	4
4304733035	RBU 14-19F	SESW	19			U-013769-A			GW	
4304733087	RBU 6-23F	SENW	23	ļ		U-013793-A	<del></del>		GW	
4304733088	RBU 1-10F	NENE	10			U-7206	·		GW	-l
4304733089	RBU 8-22F	SENE	22	100S	200E	U-0143521	7050	Federal	GW	
4304733090	RBU 11-22F	NESW	22	100S	200E	U-0143519	7050	Federal	GW	P
4304733091	RBU 16-22F	SESE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304733156	RBU 4-14E	NWNW	14	100S	190E	U-013792	7050	Federal	GW	P
4304733157	RBU 7-19F	SWNE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304733158	RBU 7-20F	SWNE	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304733159	RBU 7-24E	SWNE	24	100S	190E	U-013794	7050	Federal	GW	P
4304733160	RBU 8-15E	SENE	15	100S	190E	U-013766	7050	Federal	GW	P
4304733161	RBU 16-10E	SESE	10	100S	190E	U-013792	7050	Federal	GW	P
4304733194	RBU 2-14E	NWNE	14	100S	190E	U-013792	7050	Federal	GW	P
4304733272	RBU 13-3F	SWSW	03	100S	200E	U-013767	7050	Federal	GW	P
4304733361	RBU 5-3F	SWNW	03			U-013767	7050	Federal	GW	P
4304733362	RBU 15-10F	SWSE	10		<del></del>	U-7206	7050	Federal	GW	P
4304733363	RBU 5-16F	SWNW	16	100S	200E	U-7206	7050	Federal	GW	P
4304733365	RBU 12-14E	NWSW	14	100S	190E	U-013792	7050	Federal	GW	
4304733366	RBU 5-18F	SWNW	18	100S	200E	U-013769	7050	Federal	GW	P
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4304733368	RBU 14-23F	SESW	23			U-01470-A	<del>                                     </del>		GW	-
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4304733838	RBU 8-10E	SENE	10			U-013792		Federal		
4304733839	RBU 12-23E	NWSW	23			U-013766		Federal		
4304733840	RBU 12-24E	NWSW	24	+		U-013794		Federal		
4304733841	RBU 14-23E	SESW	23		4	U-013766		Federal		
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4304734661	RBU 16-15E	SESE	15			U-013766	4	Federal		
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		SENW			4	U-013793-A U-013792		Federal		
4304734663	RBU 6-14E		14			U-013792 U-013766		Federal		
4304734670	RBU 8-23E	NENE	23			ALTERNATION CONTRACTOR				
4304734671	RBU 4-24E	NENE	23	+	+	U-013766		Federal	+	
4304734701	RBU 12-11F	SENW	11	1008	200E	U-7206	J 7050	Federal	₩.	12

### RIVER BEND UNIT

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4304734749	RBU 7-18F	SWNE	18	100S	200E	U-013769	7050	Federal	GW	P
4304734750	RBU 12-10F	SWSW	10	100S	200E	14-20-H62-2645	7050	Indian	GW	P
4304734810	RBU 10-13E	NWSE	13	100S	190E	U-013765	7050	Federal	GW	P
4304734812	RBU 1-24E	NENE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734826	RBU 12-21F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734828	RBU 4-15E	NWNW	15	100S	190E	U-013766	7050	Federal	GW	P
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4304734845	RBU 10-24E	NWSE	24	100S	190E	U-013794	7050	Federal	GW	P
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4304734891	RBU 10-23E	NESW	23	100S	190E	U-013766	7050	Federal	GW	P
4304734892	RBU 8-22E	SENE	22	100S	190E	U-013792	7050	Federal	GW	P
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4304734907	RBU 2-24E	NWNE	24	100S	190E	U-013794	7050	Federal	GW	P
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4304734942	RBU 1-22F	NWNW	23	100S	200E	U-013793-A	7050	Federal	GW	P
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4304734946	RBU 8-20F	SENE	20	100S	200E	U-013793-A	7050	Federal	GW	
4304734962	RBU 12-17F	NWSW	17	100S	200E	U-013769-C	7050	Federal	GW	
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4304734966	RBU 14-18F	SESW	18			U-013793	<del> </del>			P
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5 09/27/2007

### RIVER BEND UNIT

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4304735060	RBU 14-13E	SESW	13	<u> </u>		U-013765			GW	
4304735061	RBU 2-22E	NWNE	22	<u> </u>		U-013792		<u> </u>	GW	
4304735062	RBU 6-24E	SENW	24			U-013794		1	GW	
4304735082	RBU 4-17E	NWNW	17	<u> </u>		U-03505			GW	
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4304735087	RBU 2-3E	NWNE	03	ļ		U-013765		<del></del>	GW	
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4304735100	RBU 10-10E	NWSE	10			U-013792		<u> </u>	GW	
4304735101	RBU 16-22E	SESE	22			U-013792			GW	
4304735112	RBU 14-24E	SESW	24			U-013794		<u> </u>	GW	
4304735129	RBU 6-21F	SENW	21	1		U-013793-A			GW	
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4304735232	RBU 14-21F	SESW	21			U-0143520			GW	
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4304735251	RBU 15-19F	SWSE	19			U-013769-A	<b>!</b>	<del></del>	GW	
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4304735305	RBU 4-21F	NWNW	21			U-013793-A	L	Federal	GW	
4304735306	RBU 16-21F	SESE	21			U-0143520-A		Federal	GW	<u> </u>
4304735468	RBU 15-22F	SWSE	22			U-01470-A			GW	
4304735469	RBU 11-23F	SENW	23			U-01470A	<u> </u>		GW	
4304735549	RBU 1-14F	NENE	14	ļ		UTU-013793-A			GW	
4304735640	RBU 2-21E	NWNE	21			U-013766		Federal	GW	
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4304736293	RBU 2-10E	NWNE	10	100S	190E	U-013792	7050	Federal	GW	P
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4304736297	RBU 10-22E	NWSE	22	100S	190E	U-013792		Federal		
4304736318	RBU 14-22E	SESW	22	100S	190E	U-013792	7050	Federal	GW	P
4304736427	RBU 9-15E	NESE	15	100S	190E	U-013766	7050	Federal	GW	DRL
4304736428	RBU 2-17E	NWNE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736429	RBU 1-17E	NENE	17	100S	190E	U-013766	7050	Federal	GW	DRL
4304736432	RBU 3-19F2	NWNW	19	100S	200E	U-013769-A	15234	Federal	GW	P
4304736433	RBU 14-17F	SESW	17	100S	200E	U-03505	7050	Federal	GW	P
4304736434	RBU 2-19F	NWNE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304736435	RBU 5-19FX	SWNW	19	100S	200E	U-013769-A		Federal		
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6 09/27/2007

### RIVER BEND UNIT

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RBU 3-17E	NENW	17	100S	190E	U-03505	7050	Federal	GW	P
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RBU 5-15F	SWNW	15	100S	200E	U-7206	7050	Federal	OW	P
RBU 10-16F	NWSE	16	100S	200E	U-7206	7050	Federal	OW	P
RBU 9-16F	NESE	16	100S	200E	U-7206	7050	Federal	OW	S
RBU 14-17E	SESW	17	100S	190E	U-03505	7050	Federal	GW	P
RBU 15-9E	NWNE	16	100S	190E	U-013765	7050	Federal	GW	DRL
RBU 9-4EA	SENE	04	100S	190E	U-03505	7050	Federal	GW	P
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RBU 11-4E	SE/4	04	100S	190E	U-03505	99999	Federal	GW	DRL
RBU 2-4E	NWNE	04	100S	190E	U-013792	7050	Federal	GW	DRL
RBU 5-4E	SWNW	04	100S	190E	U-03576	99999	Federal	GW	DRL
RBU 28-18F	NESE	13	100S	190E	U 013793-A	7050	Federal	GW	DRL
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RBU 31-10E	NENE	15	100S	190E	U-013792	7050	Federal	GW	DRL
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RBU 8B-17E	SENE	17	100S	190E	U-013766	7050	Federal	GW	DRL
	RBU 4-10E RBU 11-17E RBU 3-17E RBU 3-23F RBU 11-20F RBU 5-15F RBU 10-16F RBU 9-16F RBU 14-17E RBU 15-9E RBU 13-23F RBU 13-23F RBU 12-4E RBU 11-4E RBU 2-4E RBU 2-4E RBU 2-18F RBU 27-18F RBU 29-18F RBU 29-18F RBU 31-10E RBU 11-17-15E	RBU 8-3E       SENE         RBU 14-3E       SESW         RBU 1-3E       NWSW         RBU 2-10F       NWNE         RBU 8-21F       SENE         RBU 4-10E       SWNW         RBU 11-17E       NWSE         RBU 3-17E       NENW         RBU 3-23F       NENW         RBU 11-20F       NESW         RBU 5-15F       SWNW         RBU 10-16F       NWSE         RBU 9-16F       NESE         RBU 14-17E       SESW         RBU 15-9E       NWNE         RBU 13-23F       SWSW         RBU 12-4E       SWNW         RBU 11-4E       SE/4         RBU 2-4E       NWNE         RBU 28-18F       NESE         RBU 32-13E       NESE         RBU 27-18F2       SWSW         RBU 29-18F       SWSW         RBU 31-10E       NENE         RBU 17-15E       NENE	RBU 8-3E       SENE       03         RBU 14-3E       SESW       03         RBU 13-3E       NWSW       03         RBU 2-10F       NWNE       10         RBU 8-21F       SENE       21         RBU 8-21F       SENE       21         RBU 8-21F       SENE       21         RBU 4-10E       SWNW       10         RBU 11-17E       NWSE       17         RBU 3-17E       NENW       17         RBU 3-23F       NENW       23         RBU 11-20F       NESW       20         RBU 5-15F       SWNW       15         RBU 10-16F       NESE       16         RBU 9-16F       NESE       16         RBU 14-17E       SESW       17         RBU 15-9E       NWNE       16         RBU 9-4EA       SENE       04         RBU 13-23F       SWSW       23         RBU 12-4E       SWNW       04         RBU 11-4E       SE/4       04         RBU 2-4E       NWNE       04         RBU 2-13E       NESE       13         RBU 27-18F       SWSW       18         RBU 27-18F       SWSW       <	RBU 8-3E         SENE         03         100S           RBU 14-3E         SESW         03         100S           RBU 13-3E         NWSW         03         100S           RBU 1-3E         NENE         03         100S           RBU 2-10F         NWNE         10         100S           RBU 8-21F         SENE         21         100S           RBU 4-10E         SWNW         10         100S           RBU 11-17E         NWSE         17         100S           RBU 3-17E         NENW         17         100S           RBU 3-23F         NENW         23         100S           RBU 11-20F         NESW         20         100S           RBU 5-15F         SWNW         15         100S           RBU 9-16F         NESE         16         100S           RBU 14-17E         SESW         17         100S           RBU 15-9E         NWNE         16         100S           RBU 15-9E         NWNE         16         100S           RBU 13-23F         SWSW         23         100S           RBU 10-4E         SWNW         04         100S           RBU 11-4E         SE/4	RBU 8-3E         SENE         03         100S         190E           RBU 14-3E         SESW         03         100S         190E           RBU 13-3E         NWSW         03         100S         190E           RBU 1-3E         NENE         03         100S         190E           RBU 2-10F         NWNE         10         100S         200E           RBU 8-21F         SENE         21         100S         200E           RBU 4-10E         SWNW         10         100S         190E           RBU 11-17E         NWSE         17         100S         190E           RBU 3-17E         NENW         17         100S         190E           RBU 3-23F         NENW         23         100S         200E           RBU 1-20F         NESW         20         100S         200E           RBU 10-16F         NESW         20         100S         200E           RBU 10-16F         NESE         16         100S         200E           RBU 14-17E         SESW         17         100S         190E           RBU 15-9E         NWNE         16         100S         200E           RBU 11-4E         SENE	RBU 8-3E         SENE         03         100S         190E         U-013765           RBU 14-3E         SESW         03         100S         190E         U-013765           RBU 13-3E         NWSW         03         100S         190E         U-013765           RBU 1-3E         NENE         03         100S         190E         U-013765           RBU 2-10F         NWNE         10         100S         200E         U-7206           RBU 8-21F         SENE         21         100S         200E         U-013793-A           RBU 4-10E         SWNW         10         100S         190E         U-035316           RBU 1-17E         NWSE         17         100S         190E         U-03505           RBU 3-17E         NENW         17         100S         190E         U-03505           RBU 3-23F         NENW         17         100S         190E         U-03505           RBU 11-20F         NESW         20         100S         200E         U-0143520-A           RBU 5-15F         SWNW         15         100S         200E         U-7206           RBU 10-16F         NWSE         16         100S         200E         U-7206	RBU 8-3E         SENE         03         100S         190E         U-013765         7050           RBU 14-3E         SESW         03         100S         190E         U-013765         7050           RBU 13-3E         NWSW         03         100S         190E         U-013765         15235           RBU 1-3E         NENE         03         100S         190E         U-013765         7050           RBU 2-10F         NWNE         10         100S         200E         U-013765         7050           RBU 8-21F         SENE         21         100S         200E         U-013793-A         7050           RBU 4-10E         SWNW         10         100S         190E         U-035015         7050           RBU 1-17E         NWSE         17         100S         190E         U-03505         7050           RBU 3-17E         NENW         17         100S         190E         U-03505         7050           RBU 3-17E         NENW         17         100S         190E         U-03505         7050           RBU 11-20F         NESW         23         100S         200E         U-0143520-A         7050           RBU 1-20F         NESW	RBU 8-3E   SENE   03   100S   190E   U-013765   7050   Federal   RBU 14-3E   SESW   03   100S   190E   U-013765   7050   Federal   RBU 13-3E   NWSW   03   100S   190E   U-013765   7050   Federal   RBU 1-3E   NENE   03   100S   190E   U-013765   7050   Federal   RBU 2-10F   NWNE   10   100S   200E   U-7206   7050   Federal   RBU 2-10F   NWNE   10   100S   200E   U-013793-A   7050   Federal   RBU 8-21F   SENE   21   100S   200E   U-013793-A   7050   Federal   RBU 4-10E   SWNW   10   100S   190E   U-035316   7050   Federal   RBU 11-17E   NWSE   17   100S   190E   U-03505   7050   Federal   RBU 3-17E   NENW   17   100S   190E   U-03505   7050   Federal   RBU 3-23F   NENW   23   100S   200E   U-013793-A   7050   Federal   RBU 11-20F   NESW   20   100S   200E   U-014520-A   7050   Federal   RBU 11-20F   NESW   20   100S   200E   U-1206   7050   Federal   RBU 10-16F   NWSE   16   100S   200E   U-7206   7050   Federal   RBU 14-17E   SESW   17   100S   190E   U-03505   7050   Federal   RBU 15-9E   NWNE   16   100S   200E   U-7206   7050   Federal   RBU 15-9E   NWNE   16   100S   190E   U-03505   7050   Federal   RBU 15-9E   NWNE   16   100S   190E   U-03505   7050   Federal   RBU 12-4E   SWNW   04   100S   190E   U-03505   7050   Federal   RBU 14-4E   SENE   44   100S   190E   U-03505   7050   Federal   RBU 14-4E   SWNW   04   100S   190E   U-03505   99999   Federal   RBU 2-4E   SWNW   04   100S   190E   U-03505   99999   Federal   RBU 2-4E   SWNW   04   100S   190E   U-03505   99999   Federal   RBU 2-4E   SWNW   04   100S   190E   U-013792   7050   Federal   RBU 2-18F   SWSW   18   100S   200E   U-013793   7050   Federal   RBU 2-18F   SWSW   18   100S   200E   U-013793   7050   Federal   RBU 2-18F   SWSW   18   100S   200E   U-013793   7050   Federal   RBU 2-18F   SWSW   18   100S   200E   U-013793   7050   Federal   RBU 2-18F   SWSW   18   100S   200E   U-013793   7050   Federal   RBU 2-18F   SWSW   18   100S   200E   U-013793   7050   Federal   RBU 2-18F   SWSW   18   100S   200E   U-013793   7050   Federal   RBU 3	RBU 8-3E   SENE   03   100S   190E   U-013765   7050   Federal   GW   RBU 14-3E   SESW   03   100S   190E   U-013765   7050   Federal   GW   RBU 13-3E   NWSW   03   100S   190E   U-013765   15235   Federal   GW   RBU 1-3E   NENE   03   100S   190E   U-013765   15235   Federal   GW   RBU 1-3E   NENE   03   100S   190E   U-013765   7050   Federal   GW   RBU 2-10F   NWNE   10   100S   200E   U-7206   7050   Federal   GW   RBU 2-10F   SENE   21   100S   200E   U-013793-A   7050   Federal   GW   RBU 8-21F   SENE   21   100S   200E   U-013793-A   7050   Federal   GW   RBU 4-10E   SWNW   10   100S   190E   U-035316   7050   Federal   GW   RBU 11-17E   NWSE   17   100S   190E   U-03505   7050   Federal   GW   RBU 3-17E   NENW   17   100S   190E   U-03505   7050   Federal   GW   RBU 3-23F   NENW   23   100S   200E   U-013793-A   7050   Federal   GW   RBU 11-20F   NESW   20   100S   200E   U-013793-A   7050   Federal   GW   RBU 11-20F   NESW   20   100S   200E   U-013793-A   7050   Federal   GW   RBU 10-16F   NWSE   16   100S   200E   U-7206   7050   Federal   GW   RBU 10-16F   NWSE   16   100S   200E   U-7206   7050   Federal   GW   RBU 14-17E   SESW   17   100S   190E   U-03505   7050   Federal   GW   RBU 14-17E   SESW   17   100S   190E   U-03505   7050   Federal   GW   RBU 15-9E   NWNE   16   100S   190E   U-03505   7050   Federal   GW   RBU 13-23F   SWSW   23   100S   200E   U-01470-A   7050   Federal   GW   RBU 13-23F   SWSW   23   100S   200E   U-013765   7050   Federal   GW   RBU 14-4E   SWNW   04   100S   190E   U-03505   99999   Federal   GW   RBU 14-4E   SWNW   04   100S   190E   U-03505   99999   Federal   GW   RBU 14-4E   SWNW   04   100S   190E   U-03505   99999   Federal   GW   RBU 32-13E   NESE   13   100S   190E   U-013793   7050   Federal   GW   RBU 24-4E   SWNW   04   100S   190E   U-013793   7050   Federal   GW   RBU 27-18F   SWSW   18   100S   200E   U-013793   7050   Federal   GW   RBU 27-18F   SWSW   18   100S   200E   U-013793   7050   Federal   GW   RBU 27-18F   SWSW   18   100S   200E   U-0137

09/27/2007

### RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304730153	NATURAL 1-2	SENW	02	100S	200E	ML-10716	11377		OW	PA
4304730260	RBU 11-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	S
4304730583	RBU 11-36B	NESW	36	090S	190E	ML-22541	99998	State	NA	PA
4304730608	RBU 8-16D	SENE	16	100S	180E	ML-13216	99998	State	NA	PA
4304730760	RBU 11-2F	NESW	02	100S	200E	ML-10716	9966	State	OW	S
4304731740	RBU 1-16E	NENE	16	100S	190E	ML-13214	7050	State	GW	P
4304732026	RBU 16-2F	SESE	02	100S	200E	ML-10716	7050	State	GW	P
4304732042	RBU 9-16E	NESE	16	100S	190E	ML-13214	7050	State	GW	P
4304732108	RBU 14-2F	SESW	02	100S	200E	ML-10716	7050	State	GW	P
4304732136	RBU 8-2F	SENE	02	100S	200E	ML-10716	7050	State	GW	P
4304732137	RBU 5-16E	SWNW	16	100S	190E	ML-13214	7050	State	GW	P
4304732245	RBU 7-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732250	RBU 13-16E	SWSW	16	100S	190E	ML-13214	7050	State	GW	S
4304732292	RBU 15-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732314	RBU 10-2F	NWSE	02	100S	200E	ML-10716	7050	State	GW	P
4304732352	RBU 3-16F	NENW	16	100S	200E	ML-3393-A	7050	State	GW	P
4304733360	RBU 1-16F	NENE	16	100S	200E	ML-3393	7050	State	GW	P
4304734061	RBU 6-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304734167	RBU 1-2F	NENE	02	100S	200E	ML-10716		State	GW	LA
4304734315	STATE 11-2D	NESW	02	100S	180E	ML-26968		State	GW	LA
4304734903	RBU 14-16E	SWSW	16	100S	190E	ML-13214	7050	State	D	PA
4304735020	RBU 8-16E	SENE	16	100S	190E	ML-13214	7050	State	GW	P
4304735021	RBU 10-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	P
4304735022	RBU 12-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	P
4304735023	RBU 16-16E	SWSW	15	100S	190E	ML-13214	7050	State	GW	P
4304735033	RBU 2-16E	NWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304735081	RBU 15-2F	SWSE	02	100S	200E	ML-10716	7050		GW	P
4304735348	RBU 13-16F	NWNW	21	100S	200E	ML-3394		State	GW	DRL
4304736169	RBU 4-16E	NENW	16	100S	190E	ML-13214	7050	State	GW	P
4304736170	RBU 3-16E	NENW	16	100S	190E	ML-13214	7050	State	GW	P



## United States Department of the Interior

# BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155



666

IN REPLY REFER TO 3180 UT-922

Dominion Exploration & Production, Inc. Attn: James D. Abercrombie 14000 Quail Springs Parkway, #600 Oklahoma City, OK 73134-2600

August 10, 2007

Re:

River Bend Unit Uintah County, Utah

### Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble Acting Chief, Branch of Fluid Minerals

**Enclosure** 

AUG 1 6 2007
DIV. OF OIL, GAS & MINING